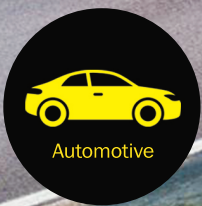




# YHI POWER

Battery Power You Can Rely On



Automotive



Truck & Tractor



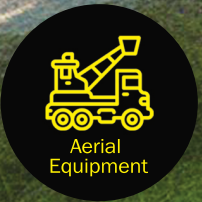
Marine



Solar



Energy Storage



Aerial Equipment



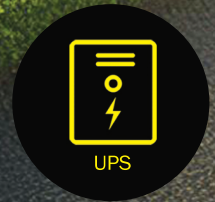
Recreational Vehicle



Lawn Mower



Communication



UPS

## PRODUCT CATALOGUE

AUTOMOTIVE - INDUSTRIAL - SOLAR



ABOUT US	3
SERVICE & SUPPORT	6
PRODUCT HIGHLIGHT	7
CROSS REFERENCE CHART	9
<b>PRODUCT RANGE</b>	
NEUTON POWER PREMIUM	12
NEUTON POWER K	22
BOSCH BATTERIES	31
CROWN	38
VISION	41
CSB	51
NEUTON POWER AGM	59
NEUTON POWER GEL	63
NEUTON POWER LITHIUM	64
NEUTON POWER SOLAR	66
PYLONTECH	69
DYNESS	72
<b>OTHERS</b>	
WARRANTY & GUARANTEE	74
SAFETY CHART	75

Note: All the products information shown in this product catalog will have a product weight tolerance of + 5%.



## YHI INTERNATIONAL LIMITED

YHI International Limited is a leading global distributor of high-quality automotive and industrial products, and a trusted brand name in alloy wheels manufacturing as an Original Design Manufacturer (ODM).

Listed on the Mainboard of the Singapore Exchange Securities Trading Limited (SGX-ST) on 3 July 2003, YHI has successfully diversified its business and carved a niche for itself in the global automotive arena since its humble beginnings as a sole proprietorship established in 1948.

Today, YHI's international presence spans across over 100 countries through its 33 subsidiaries and 3 associated companies located across Asia Pacific, North America and Europe. YHI distributes a diverse range of premium automotive products, which includes tyres, alloy wheels, energy solutions, buggy & utilities vehicles and other industrial products to more than 5,000 customers globally.

YHI currently has three alloy wheels manufacturing plants located in Suzhou in China, Taoyuan in Taiwan and Malacca in Malaysia, with a current total production capacity of 2.3 million units per annum. As an integrated ODM solutions provider, it provides services from the design and development to the manufacturing, marketing and distribution of alloy wheels.

In order to strengthen the YHI distribution network, the Group will continuously sharpen its sales focus, as well as embark on strategic plans to promote and develop its portfolio of premium and proprietary brands in the global market where "The World is Our Market".



## YHI POWER PTY LTD - AUSTRALIA

YHI POWER PTY LTD as part of YHI Group, was established in Australia in 1994, the company has grown and diversified its business and is now recognised as a distributor of high quality industrial, automotive, solar batteries and associated products.

Our friendly, experienced and highly motivated sales personnel are committed to provide all of our customers with consistent customer care. They will ensure that the batteries are fresh and ready to use, that the product warranties are settled promptly on site, stocks are rotated and kept clean and presentable. We always keep our customers up to date with the latest news and information regarding our products through various forms of media, and we listen to our customers needs through various feed back mechanisms.



Using a network of sales and warehousing facilities in Sydney, Melbourne, Brisbane, Perth, Adelaide and Darwin, YHI Power provides superior customer service to ensure the customer has the right product, on time, to meet their needs.

- Sole Australian Distributor of Vision, CSB and Crown batteries.
- Exclusive distributor of Neuton Power, Neuton Power K ( YHI's own brand ) products.
- Distributor of Bosch batteries.
- Supplier of battery chargers, racks, cabinets and various accessories.

Our focus is to strengthen and widen our distribution network, sharpen our sales focus and embark our multi-brand, multi-category and multi-product (3M) marketing strategy.

## YHI MISSION STATEMENT

- To be a recognised global distributor of high-quality automotive and industrial products, and a familiar and trusted brand name in alloy wheels manufacturer as an Original Design Manufacturer.
- To position YHI Group effectively by continuously providing customers with quality products and distinctive customer services so as to build strong customer relationships.
- To provide growth and opportunities for our employees and to consistently generate stable returns to shareholders.
- To be committed to quality, professional and personnel management, sound business practices and teamwork.



# SERVICE - OUR COMMITMENT



**YHI POWER**  
Battery Power You Can Rely On

## YHI POWER SERVICE & SUPPORT

We believe that the YHI POWER value-for-money goes beyond the superior quality and competitive price of our products. Beyond these, what really sets us apart from the rest is our commitment to service and our customers.

Our experienced Support Team are experts in all areas - providing valuable technical, battery knowledge and prompt warranty solutions. We believe in building lasting business relationships based on fairness and mutual growth by providing consistent, efficient and cost-effective supply of products to ensure the viability of our customers' own businesses.



We provide sufficient merchandising support to our customers to help them with the success of their own businesses. Neutron Power and Neutron Power K headerboards, battery stands, signages, posters, brochures, application manuals, product catalogues, and other give-aways are readily available for customers upon the recommendation of our sales representatives. We also include selected customers in various advertising campaigns, such as the directory listings, magazine spreads, and our website. We also have various promos throughout the year to entice more sales for our customers.

## DISTRIBUTION NETWORK

YHI POWER is extremely proud of our nationwide coverage, having serviced thousands of customers across Australia throughout the years. Our network includes over 15 warehousing locations and over 40 vehicles from across Victoria, New South Wales, ACT, Queensland, Western Australia, South Australia and the Northern Territory.

This facilitates the servicing of over 3000 regular customers through consistent, scheduled service. For more information on YHI POWER's range of products and services, please contact your nearest YHI POWER office on 1300 722 028 or visit [www.yhipower.com.au](http://www.yhipower.com.au).



**Neutron POWER<sup>®</sup>**  
**PREMIUM**

**Neutron POWER<sup>®</sup>**  
**Revolution<sup>K</sup>**  
*In Power*

**Neutron POWER<sup>®</sup>**  
**AGM TECHNOLOGY**

# NEUTON POWER AUTOMOTIVE BATTERIES



UP TO  
**36**  
MONTH  
WARRANTY\*

\* T&C applies. Please refer to our product catalogue and brochures or contact our staff for more information.

**AUSTRALIA WIDE DISTRIBUTION**

[www.yhipower.com.au](http://www.yhipower.com.au)

CALL 1300 722 028





**YHI POWER**

Battery Power You Can Rely On



**BOSCH BATTERIES:  
NOW AVAILABLE AT YHI POWER**



**BOSCH**

**CALL 1300 722 028**



[www.yhipower.com.au](http://www.yhipower.com.au)

# CROSS REFERENCE CHART

## YHI POWER AUTOMOTIVE CROSS REFERENCE CHART

NP	NPK	SILVER SERIES	BOSCH	SUPERCHARGE	EXIDE	AC DELCO	ALCO / ENERGI	DELKOR	CENTURY	CLUB ASS
<b>PASSENGER VEHICLE RANGE</b>										
38B19L	K38B19L		40B19L	SMFNS40ZLX	40CPMF	S42B19L	MF40B19LS	NS40ZLMF	NS40ZLXMF	2384/1124
38B19R	K38B19R		40B19R	SMFNS40ZX	40DPMF	S42B19R	MF40B19R	NS40ZMF	NS40ZMF	2383/1123
38B19LS	K38B19LS		40B19LS	SMFNS40ZALX	40CMF	S42B19LS	MF40B19LS	NS40ZLSMF	NS40ZLSMF	2381/1121
38B19RS	K38B19RS		40B19RS	SMFNS40ZA	40DMF	S42B19RS	MF40B19RS	NS40-330D	NS40ZSXM	2382/1122
	K38B19FL								NS40ZLSMF	
46B24LS	K46B24LS		55B24LS	SMFNS60LS	60CMF	S55B24L	MF50B24LS	51BR-430	NS60LS	2134
46B24RS	K46B24RS		55B24RS	SMFNS60RS	60DMF	S55B24R	MF50B24RS	51-430	NS60RS	2133
46B24L	K46B24L		55B24L	MF55B24L	60CPMF	S55B24L	MF50B24L	51R-430	NS60L	2136
46B24R	K46B24R		55B24R	MF55B24R	60DPMF	S55B24R	MF50B24R	NX11-S6MF	NS60	2135
	K50D20L			MF50D20L	50D20LMF	S50D20L	MF50D20L	50D20L	50D20LMF	
55B24R			55B24R	MF55B24R	X60DPMF	S55B24R	MF50B24R	51BR-430	NS60XMF	
55B24RS			55B24RS	MF55B24RS	X60DMF	S55B24RS	MF50B24RS	51-430	NS60SXM	
55B24L			55B24L	MF55B24L	X60CPMF	S55B24L	MF50B24L	51R-430	NS60LXM	
55B24LS		55B24LS-S	55B24LS	MF55B24LS	X60CMF	S55B24LS	MF50B24LS	NX11-S6MF	NS60LSXM	
43			22NF-330D	MF43	X43MF		MF43	22NF-330D	43	2134
<b>HEAVY DUTY PASSENGER RANGE</b>										
	K85L450									
	K85R450									
85L550	K85L550		22F-550	SMF58VT	54CMF	22F530SMFDF	MF85-550	22F-520	58VT	2504
85R550	K85R550		22FR-550	SMF57	52DMF	AU22530SMFDF	MF85R-550	22FR-520	57	2503
85L550	K85L550		22F-550	SMF58		22F530SMFDF	MF85-550	22F-520	58	2176
85EFR550	K85EFR550		AU22R-550	MF50/MF54	53DMF	S85B60R		22EFR-520	57EF	2541
85DFL550	K85DFL550		AU22-550DF	SMF58VT	54DMF	S85B60L	MF22F-550DF	22F520FD	58	2542
85L610		K85L620S	22F-610	MF53	X56CMF		UMF85-610	22F-680		
85DFL610				MF51						
85R610		K85R620S	22FR-610	MF50	X56DMF		UMF85R-610	22FR-680	67EFMF	
85EFR610	K85EFR550		22FR-550	SMF57	52DMF	AU22530SMFDF		22EFR-680	57	2503
55D23LX	K55D23LX	K55D23LS	55D23L	SMF55D23L	55D23CMF	S70D23L	MF55D23L	55D23L	75D23LMF	2544
55D23R	K55D23R	K55D23RS	55D23R	SMF55D23R	55D23DMF	S70D23R	MF55D23R	55D23R	75D23RMF	2585
65D	K65D		65-7MF	MF65	X65DMF	S65-7MF	MF65-750	65-7MF	N65D	
78-700	K78-670			MF78DT	X78DT-60MF	78DT-790	MF78-750	78DT-790		
<b>SILVER RANGE</b>										
85R650S		K85R620S	22FR-680	MF50	X56CMF	22FR680SMF		22FR-680	67EFMF	
85L650S		K85L620S	22F-680	MF52	X56DMF			22F-680		
55D23LS		K55D23LS	90D23L	MF75D23L	X55D23CMF		MF85D23L	90D23L		
95D31RS		K95D31RS	125D31R	MF95D31R	XN70ZZMF	S95D31RS		125D31R	N70ZZMF	
95D31LS		K95D31LS	125D31L	MF95D31L	XN70ZZLMF	S95D31LS		125D31L	N70ZZLMF	
<b>EUROPEAN RANGE</b>										
54317	K54317		54316	MF44	XDIN44MF	S54516	MF54321	54316	DIN44LMF	3372
54437	K54437		55066	MF44H	XDIN44HMF	S55045		55534	DIN44LHMF	
55519	K55519	K55519S	55457	MF55	XDIN55MF	S56220	MF55457	90R-500	DIN53L	3552
55520	K55520		55458	MF55R	XDIN55DMF	S55458	MF55459	90-500	DIN53R	3551
55530	K55530	K55530S	56219	MF55H	XDIN55HMF	S56030	MF56219	56219	DIN53LHMF	
56318	K56318	K56318S	56318	MF66	XDIN66MF	S56318	MF57113	57030	DIN65LHDMF	3662



# CROSS REFERENCE CHART

YHI POWER AUTOMOTIVE CROSS REFERENCE CHART										
NP	NPK	SILVER SERIES	BOSCH	SUPERCHARGE	EXIDE	AC DELCO	ALCO / ENERGI	DELKOR	CENTURY	CLUB ASS
56319	K56319		57013	MF66R	XDIN66DMF	S56319			DIN65R	3661
56638	K56638	K56638S	56638	MF66H	XDIN66HMF	S56638	MF57412	57218	DIN65LH	3775
56639	K56639		574-135	MF66HR	XDIN66HDMF	S56640	MF56821			
57539	K57539		58014	MF77	XDIN77MF	S58014	MF57539	58039	DIN75LMF	3772
58043	K58043	K58043S	59096	MF77H	XDIN77HMF	S59096	MF58043	59096	DIN75LHD	
58044	K58044	K58044S	59095	MF77HRX	XDIN77HDXMF	S59095			DIN75RHMF	
58588	K58588		58515	N88MF	XDIN88MF	27-90	MF58515	59015	DIN85LMF	3882
60044	K60044	K60044S	60038	MF88H	XDIN88HMF	S60038	MF60038	60038	DIN85LHMF	
DIN100			61095					61044		
LAWN MOWER RANGE										
U1R-280	KU1R-250		U1-260	MFU1/N05	U1RMF	SU1-60	U1RMF-X	U1R-280	U1MF	
U1-280	KU1-250		U1R-260	MFU1/N06	U1LMF	SU1R-60	U1LMF-X	U1-280	U1RMF	
U1R-340	KU1R-350		U1-260	MFU1/N05	U1RMF	SU1-60	U1RMF-X	U1R-280	U1MF	
U1-340	KU1-350		U1R-260	MFU1/N06	U1LMF	SU1R-60	U1LMF-X	U1-280	U1RMF	
MARINE										
M24	KM24			MF50	MSST24	HCM24SMF		MS24600	M24MF	7501
M27	KM27			MF70	MSST27	HCM27SMF		MS27750	M27MF	7601
M31	KM31				MSST31	HCM31SMF		M31	86MMF	
MRV RANGE (DUAL POSTS)										
MRV24	KMRV24		HCM24-600	MRV50	MSDP24	HCM24SMF		M24	NS70TXMF	
MRV27	KMRV27		HCM27-700	MRV70	MSDP27	HCM27SMF		M27	N70ZZHDMF	
MRV27L	KMRV27L		HCM27-750L	MRV27L	MSDP27C	HCM27SMF		M27L	N70ZZLHDMF	
MRV31	KMRV31		HCM31-900	MRV87	MSDP31	HCM31SMF		M31	86MF	
START STOP AGM										
VRL150			LN1			S55066		LN1 AGM		
VRL260			LN2	MF55HSS	SSAGM-55EU	S56090AGM		LN2 AGM	DIN53LHAGM	5526
VRL370			LN3	MF66HSS	SSAGM-66EU	S57090AGM		LN3 AGM	DIN65LHAGM	5536
VRL480			LN4	MF77HSS	SSAGM-77EU	S58090AGM		LN4 AGM	DIN75LHAGM	5556
VRL590			LN5	MF88HSS	SSAGM-88EU	S59590AGM		LN5 AGM	DIN92LAGM	3888
VRL6105			LN6	MF95HSS			SA61000	LN6 AGM		5566
START STOP EFB										
EFB55530	KEFB55530		LN2-EFB	EFBN55HMF				LN2-60EFB		
	KEFB56318		LB3-EFB	MF95HSS			UMF57400	LBN3-65EFB		
EFB56638	KEFB56638		LN3-EFB	EFBN66HMF				LN3-70EFB		
EFB57539	KEFB57539		LB4-EFB	MF77EF				LBN4-75EFB		
EFB58043	KEFB58043		LN4-EFB	EFB77HMF				LN4-80EFB		
EFB60044	KEFB60044		LN5-EFB	EFBN88HMF				LN5-95EFB		
	KEFB46B24L			MFB24EF	SSEFB-B24		SEN55	SM55B24LEFB		
	KEFB46B24R									
EFB55D23L	KEFB55D23L		Q85L	MFD23EF	SSEFB-D23	SQ8523LEFB	SEQ85	SQ85D23LEFB	Q85	4032
EFB55D23R	KEFB55D23R		Q85R	MFD23EF	SSEFB-D23	SQ8523LEFB		SQ85D23REFB	Q85	4032
EFB80D26L	KEFB80D26L		S95L	MFD25EF	SSEFB-D26	SQ95D26LEFB	SE95	SS95D26LEFB	S85	5582
EFB95D31L	KEFB95D31L		T110L	MFD31EF	SSEFB-D31	ST110D31LEFB		ST110D31LEFB	T110	4092
EFB95D31R	KEFB95D31R		T110R	MFD31EF	SSEFB-D31	ST110D31LEFB	SET110	ST110D31REFB	T110	4092

# CROSS REFERENCE CHART

YHI POWER AUTOMOTIVE CROSS REFERENCE CHART										
NP	NPK	SILVER SERIES	BOSCH	SUPERCHARGE	EXIDE	AC DELCO	ALCO / ENERGI	DELKOR	CENTURY	CLUB ASS
4x4 & LIGHT COMMERCIAL VEHICLES RANGE										
80D26RX	K80D26RX	K80D26RS	90D26R	SMFNS70X	N50ZZ	S80S26R	MF90D26R	NX110-5MF	NS70	4503
80D26LX	K80D26LX	K80D26LS	90D26L	SMFNS70LX	N50ZZL	S80D26L	MF90D26L	NX110-5LMF	NS70L	4504
80D31R	K80D31R		75D31R	PSN70ZZ	EN70ZZMF	S95D31RHD	MF75D31R	27H-680	N70ZZ	4703
80D31L	K80D31L		75D31L	PSN70ZZL	EN70ZZLMF	S95D31LHD	MF75D31L	27HR-680	N70ZZL	4704
A80D31R					N70ZMF	S80D31R				
A80D31L					N70ZLMF	S80D31L				
95D31R	K95D31R	K95D31RS	95D31R	SMFN70ZZX	N70ZZMF	S95D31RHD	MF105D31R	27H-780	N70ZZX	
95D31L	K95D31L	K95D31LS	95D31L	SMFN70ZZLX		S95D31LHD	MF105D31L	27HR-780	N70ZZLX	
A95D31R				TMN70ZZ	N70ZZ					
A95D31L				TMN70ZZL	N70ZZL					
					N70ZZMF	S95D31RHD				
					N70ZZLMF	S95D31LHD				
	K105D31R		105D31R	MF95D31R	N70ZZMF	S95D31RHD		27H-780		
	K105D31L		105D31L	MF95D31L	N70ZZLMF	S95D31LHD		27HR-780		
TRUCK / TRACTOR / HEAVY COMMERCIAL										
G31-1000T	KG31-1000T		31-1000T		31-950C		MF31S-900	31-900T		
G31-1000/MF	KG31-1000			MF31-931	31-1100MF	S31-901MF	MF31-1000	31-1000		4862
G31-1000FT				MF31-930	31-1100CMF					
CATG31-1150				MF31-930	31-1100CMF			31-1000		
N100	KN100		N100	N100	N100DMF	SN100		N100R	N100	4901
N100L	KN100L		N100L	N100L	N100CMF	SN100L		N100L		
N120	KN120		160F51 (N120)	TMN120P	N120MF	SN120	MF135F51	N120	N120	4922
N150	KN150		190G51 (N150)	TMN150P	N150MF	SN150	MF165G51	N150HD	N150	4952
N200	KN200		250H52 (N200)	TMN200P	N200MF	SN200	MF210H52	8D-1300HD		4998
CAT150				MFN150	N150MF	SN120				
CAT200					N200MF	SN200		8D-1500		
EN RANGE (EUROPEAN TRUCK BATTERIES)										
N120EN	KN120EN			EMFN120L	N120MFE					
N150EN	KN150EN		68032	EMFN150L	N150MFE					
N200EN	KN200EN		73011	EMFN200L	N200MFE					
DEEP CYCLE										
DC24			DC24	D50Z	ED50	HCM24SMF	DC24MF	HDC24	NS70T	
DC27	KDC27		DC27	D70Z	ED70	HCM27SMF	DC27MF	HDC27	N70T	
DC27L	KDC27L					HCM27LSMF	DC27LMF	HDC27L		
DC31			DC31	D87L	ED87	HCM31SMF	DC31MF	HDC31	86T	
INDUSTRIAL DEEP CYCLE										
DCN200				D200	DC12V200				N200DC	
				GC2-12V						



# Neuton POWER® PREMIUM

## NEUTON POWER PREMIUM



### JAPANESE VEHICLE RANGE SEALED EXPANDED CALCIUM MF

- Fully sealed maintenance-free
- Superior starting power and reserve capacity
- Up to 36 months warranty



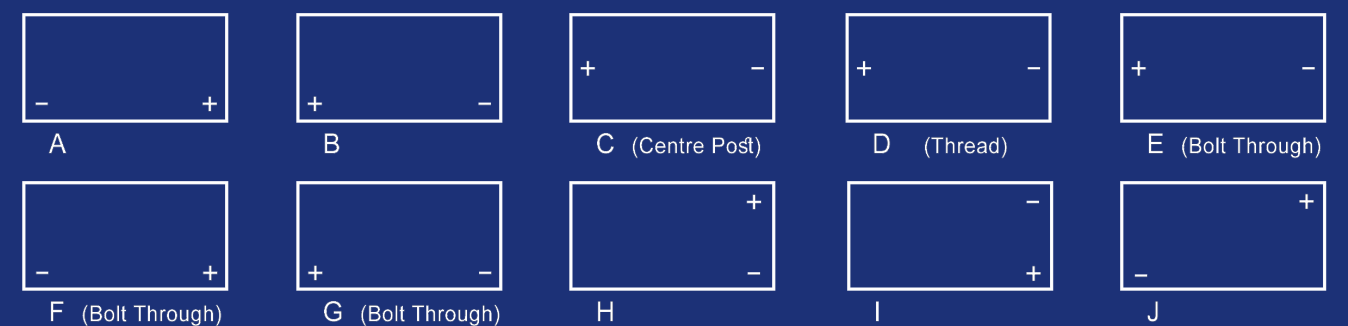
\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>PASSENGER VEHICLE RANGE</b>											
38B19L	NS40ZLMF / S40B20L	330		55	36	187	127	226	9.5	A(s)	36 Months
38B19R	NS40ZMF / S40B20R	330		55	36	187	127	226	9.5	B(s)	36 Months
38B19LS	NS40ZALMF / S40B20LS	330		55	36	187	127	226	9.5	A	36 Months
38B19RS	NS40ZAMF / S40B20RS	330		55	36	187	127	226	9.5	B	36 Months
55B24R	NS60ZMF / S55B24R	500		78	50	237	128	222	12.8	B(s)	36 Months
55B24RS	NS60ZAMF / S55B24RS	500		78	50	237	128	222	12.8	B	36 Months
55B24L	NS60LMF / S55B24L	500		78	50	237	128	222	12.8	A(s)	36 Months
55B24LS	NS60LMF / S55B24L	500		78	50	237	128	222	12.8	A	36 Months
MF43	MF41 / MF43	330		54	37	236	133	204	10.4	C	36 Months

\*\* Suitable for most applications. (S) = Small Post

### ASSEMBLY



## NEUTON POWER

RELIABILITY - PERFORMANCE - LIFE - EXTRA POWER



# NEUTON POWER PREMIUM



## HEAVY VEHICLE RANGE SEALED EXPANDED CALCIUM MF

- Fully sealed maintenance-free
- Superior starting power and reserve capacity
- Up to 36 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>HEAVY DUTY PASSENGER RANGE</b>											
85L550	NS50PLMF / 22F530SMF	550		81	60	238	172	203	14.7	A	24 Months
85DFL550	NS50PLMF / 22F530SMFDF	550		81	60	238	172	203	14.7	F	24 Months
85R550	NS50P / 22FR530SMF	550		81	60	238	172	203	14.7	B	24 Months
85EFR550	NS50PMF / AU22R530SMF	550		81	60	229	172	203	14.7	B	24 Months
85L610	NS50VTMF / 22F600SMF	610		90	64	238	172	203	15.5	A	36 Months
85DFL610	NS50PLMF / 22F600SMFDF	610		90	64	238	172	203	15.5	F	36 Months
85R610	NS50PMF / 22FR600SMF	610		90	64	238	172	203	15.5	B	36 Months
85EFR610	NS50PMF / AU22FR600SMF	610		90	64	229	172	203	15.5	B	36 Months
55D23LX	MF55D23L / S55D23L	600		94	61	229	175	223	14.8	A	36 Months
55D23R	MF55D23R / S55D23R	600		94	61	229	171	222	14.8	B	36 Months



## US HEAVY DUTY RANGE

- Fully sealed maintenance-free
- Exceptional starting power and reserve capacity
- Up to 36 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>USA HEAVY DUTY RANGE</b>											
78-700	78-800 / S786MF	700		112	67	260	185	183	15.4	Side	24 Months
65D	MF65 / 65-875	900		152	87	293	186	190	19.9	B	36 Months

# NEUTON POWER PREMIUM



## SILVER RANGE SEALED EXPANDED CALCIUM MF

- Fully sealed maintenance-free
- Exceptional starting power and reserve capacity
- Up to 36 months warranty



\* 6 month warranty for taxis and police vehicles, 18 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>SILVER RANGE</b>											
85L650S	NS50PLMF / 22F530SMF	650		100	63	238	172	203	15.6	A	*36 Months*
85R650S	NS50P / 22FR530SMF	650		100	63	238	172	203	15.6	B	*36 Months*
55D23LS	MF55D23L / S55D23L	680		98	67	229	175	223	16.7	A	*36 Months*
55D23RS	MF55D23R / S55D23R	680		98	67	229	175	223	16.7	B	*36 Months*
55519S	N55MF / S55457	700	630	95	57	242	175	175	14	A	*36 Months*
55530S	N55HMF / S55559	680	620	110	67	242	175	190	15.1	A	*36 Months*
56318S	N66MF / S56318	780	700	116	70	278	175	175	16.3	A	*36 Months*
56638S	N66HMF / S56638	810	750	135	85	278	175	190	18.1	A	*36 Months*
57539S	77MF / MF77	880	800	132	78	315	175	175	18.3	A	*36 Months*
58043S	77HMF / MF77H	900	810	170	95	315	175	190	20	A	*36 Months*
58044S	77RHMF / MF77RH	900	810	170	95	315	175	190	20	B	*36 Months*
60044S	N88HMF / S58827	930	850	185	105	353	175	190	23.9	A	*36 Months*
80D26RS	NS70MF / S80D26R	750		135	80	256	170	225	18.1	B	*36 Months*
80D26LS	NS70LMF / S80D26L	750		135	80	256	170	225	18.1	A	*36 Months*
95D31RS	N70ZZMF / S95D31R	900		175	100	305	171	226	22.5	B	*36 Months*
95D31LS	N70ZZLMF / S95D31L	900		175	100	305	171	226	22.5	A	*36 Months*



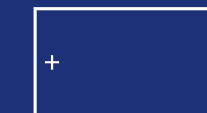
A



B



C (Centre Post)



D (Thread)



E (Bolt Through)



F (Bolt Through)



G (Bolt Through)



H



I



J



# NEUTON POWER PREMIUM



## EUROPEAN VEHICLE RANGE SEALED EXPANDED CALCIUM MF

- Fully sealed maintenance-free
- Superior starting power and reserve capacity
- Up to 36 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
EUROPEAN VEHICLE RANGE											
54317	37AMF / S54519	400	350	68	44	207	175	175	12.2	A	36 Months
54437	DIN44LHMF / S55066	400	350	68	44	207	175	190	12.5	A	36 Months
55519	N55MF / S55457	520	500	90	55	242	175	175	13.2	A	36 Months
55520	N55RRMF / S55458	520	500	90	55	242	175	175	13.2	B	36 Months
55530	N55HMF / S55559	530	505	90	62	242	175	190	14.5	A	36 Months
56318	N66MF / S56318	670	620	106	64	278	175	175	15.7	A	36 Months
56319	N66RMF / S56640	670	620	106	64	278	175	175	15.7	B	36 Months
56638	N66HMF / S56638	700	640	112	67	278	175	190	16.7	A	36 Months
56639	N66HRMF / S56640	700	640	112	67	278	175	190	16.7	B	36 Months
57539	77MF / MF77	700	640	130	77	315	175	175	17.4	A	36 Months
58043	77HMF / MF77H	712	645	140	81	315	175	190	19.8	A	36 Months
58044	77RHMF / MF77RH	712	645	140	81	315	175	190	19.8	B	36 Months
58588	N88MF / S58515	780	710	150	85	352	175	175	20	A	36 Months
60044	N88HMF / S58827	800	820	182	100	352	175	190	22.6	A	36 Months
DIN110	DIN100	900	845	201	110	394	175	190	25.3	A	36 Months



A



B



C (Centre Post)



D (Thread)



E (Bolt Through)



F (Bolt Through)



G (Bolt Through)



H



I



J

# NEUTON POWER PREMIUM



## START-STOP RANGE EFB / AGM

- Spill-proof design
- Greater cycle life
- Superior starting power and reserve capacity
- Up to 24 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
STOP & START											
EFB55D23L	Q85	680	620	107	65	229	175	222	18.6	A	24 Months
EFB80D26L	S95	770	700	127	75	260	172	221	20.9	A	24 Months
EFB95D31L	T110	830	760	137	90	305	173	225	22.2	A	24 Months
EFB95D31R	T110R	830	760	137	90	305	173	225	22.2	B	24 Months
EFB54437	LN1 EFB	650	600	80	50	207	175	190	15.2	A	24 Months
EFB55530	LN2 EFB	730	660	100	60	242	175	190	17.4	A	24 Months
EFB56638	LN3 EFB	850	770	120	70	278	175	190	20.3	A	24 Months
EFB57539	LBN4 EFB	880	820	130	75	315	175	175	21.4	A	24 Months
EFB58043	LN4 EFB	920	840	140	80	315	175	190	22.9	A	24 Months
EFB60044	LN5 EFB	980	890	165	92	353	175	190	25.5	A	24 Months
EFBDIN110	DIN110 / LN6 EFB	1050	950	190	105	393	175	190	28.1	A	24 Months
VRL150	LN1 AGM	570	500	80	50	207	175	190	15.3	A	24 Months
VRL260	LN2 AGM	680	590	108	60	242	175	190	18.5	A	24 Months
VRL370	LN3 AGM	760	695	130	70	278	175	190	20.8	A	24 Months
VRL480	LN4 AGM	800	760	158	80	315	175	190	23.2	A	24 Months
VRL590	LN5 AGM	850	790	173	90	353	175	190	26	A	24 Months
VRL6105	DIN110 / LN6 AGM	950	860	190	105	394	175	190	30.5	A	24 Months



# NEUTON POWER PREMIUM



## COMMERCIAL VEHICLE RANGE

TRUCK - ACCESSIBLE CELL / NON-ACCESSIBLE

- Maintenance-free
- Exceptional durability in extreme conditions
- For long haul applications
- Up to 24 months warranty



\* 6 month warranty for taxis and police vehicles, 18 month warranty for commercial vehicles.  
24 month for private use only.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>COMMERCIAL VEHICLE RANGE - 18 Months Warranty *For Private Use Only*</b>											
80D26RX	NS70MF / S80D26R	680		120	71	260	172	221	17.5	B	*24 Months*
80D26LX	NS70LMF / S80D26L	680		120	71	260	172	221	17.5	A	*24 Months*
95D31R	N70ZZMF / S95D31R	820		150	95	305	171	226	20.3	B	*24 Months*
95D31L	N70ZZLMF / S95D31L	820		150	95	305	171	226	20.3	A	*24 Months*
A95D31R	N70ZZMF / S95D31R	820		150	95	305	171	226	20.3	B	*24 Months*
A95D31L	N70ZZLMF / S95D31L	820		150	95	305	171	226	20.3	A	*24 Months*
G31-1000	31MF / S31900MF	1000		182	110	330	174	241	25.7	C	18 Months
G31-1000T	31MF / S31901MF	1000		182	110	330	174	241	25.7	D	18 Months
G31-1000FT	31MF / S31901MF	1000		182	110	330	174	241	25.7	A	18 Months
CATG31-1150MF	31MF / S31900MF	1150		203	111	330	174	241	27.5	C	18 Months
N100/L	N100MF / SN100	750		182	100	409	170	234	25.4	B/A	18 Months
N120	N120MF / SN120	900		224	140	505	183	240	34.5	H	18 Months
N150	N150MF / SN150	1000		292	150	510	212	237	39.8	H	18 Months
N200	N200MF / SN200	1200		408	200	509	267	246	50.5	H	18 Months
CATN150	N150MF / SN150	1200		326	185	510	212	233	41.8	H	18 Months
CATN200	N200MF / SN200	1450		430	248	509	267	242	57.4	H	18 Months
N120EN	N120ENMF(Low) / SN120L(Low)	900	845	224	140	505	183	222	33	I	18 Months
N150EN	N150ENMF / N94** / SN150L(Low)	1000	940	292	150	510	222	220	38.2	I	18 Months
N200EN	N200ENMF / SN200L	1200	1150	408	200	516	275	241	51.7	I	18 Months

# NEUTON POWER PREMIUM



## MARINE RANGE

DUAL POSTS

- Maintenance-free
- Vibration resistant
- Heavy duty marine battery
- Up to 18 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>MARINE RANGE</b>											
M24	M50MF / M24SMF630	630	800	120	72	260	172	221	17.9	B	18 Months
M27	M70MF / M27SMF730	740	900	150	85	305	171	226	19.8	B	18 Months
M31	86MF / M31	900	1150	224	100	330	174	245	25.9	B	18 Months



## MARINE & RECREATION VEHICLES

DUAL POSTS

- Maintenance-free
- Minimal self-discharge rate
- Improved heat and vibration tolerance for long service life
- Up to 18 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>MRV RANGE (DUAL POSTS)</b>											
MRV24	N50MF	640	800	120	80	260	172	221	19.7	B	18 Months
MRV27/L	N70MF/N70LMF	750	920	150	105	305	171	226	22	B/A	18 Months
MRV31	31-MF	1000	1200	224	120	330	174	245	26.9	B	18 Months



# NEUTON POWER PREMIUM



## DEEP CYCLE RANGE

### DEEP CYCLE FLOODED BATTERY

- Maintenance-free / Accessible cell
- Deep cycle discharge applications
- Up to 12 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for private use.

NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS											
NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
DEEP CYCLE RANGE											
DC24	D50ZMF			145	80	260	172	225	20.6	B	12 Months
DC27/L	D70ZMF/D70ZLMF			170	105	305	171	226	23.1	B/A	12 Months
DC31	D87LMF			213	120	330	174	245	27.2	B	12 Months
DCN200	D200MF			430	210	509	267	246	55.3	I	12 Months

# NEUTON POWER PREMIUM



## MARINE & RECREATIONAL RANGE

### DUAL-PURPOSE AGM BATTERY

- Good Vibration Resistance
- Stronger Capacity & Ultra-high CCA
- Higher Charge Acceptance
- Excellent Cyclic Ability



\* 24 months standard warranty. T&C apply.

NEUTON POWER ULTIMATE PRODUCT SPECIFICATIONS											
ITEM CODE	CROSS REFERENCE	CCA	RC	A/H	L	W	T/H	KG	A	WARRANTY	
MARINE & RECREATIONAL AGM RANGE											
AGM24	NZ70 / DC24	750	150	85	260	168	233	24.8	B	24 Months	
AGM27	NZ70ZZ / DC27	875	200	110	306	168	233	29	B	24 Months	
AGM27/L	N70ZZL / DC27L	875	200	110	306	168	233	29	A	24 Months	
AGM31	G31 / DC31	1000	200	115	330	173	237	31.7	B	24 Months	

## DEEP CYCLE RANGE

### FOR GOLF CARTS & SCISSOR LIFTS

- Long Cycle Life & Low Self-Discharge
- Multi-Component Alloy for Durability & Reliability
- High-Performance Separator for Efficient Charging



\* 12 month standard warranty. T&C apply.

NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS											
NEUTON POWER CODE	CROSS REFERENCES	20 HR RATE	L	W	T/H	KG	A	WARRANTY			
DEEP CYCLE 6 VOLT											
N-105	T-105 / CR220 / 6V	225	260	182	280	27.5	J	12 Months			
DEEP CYCLE 8 VOLT											
N-875	T-875 / CR165 / 8V	170	260	183	276	29	B	12 Months			
DEEP CYCLE 12 VOLT											
N-1275	T1275 / GC-12V / 12V	150	330	182	283	36.5	B	12 Months			



## LAWN MOWER RANGE

### STARTING BATTERY

- Fully sealed maintenance-free
- Vibration resistant
- Up to 12 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for private use.

NEUTON POWER PREMIUM PRODUCT SPECIFICATIONS											
NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
LAWN MOWER RANGE											
U1-280	12N24-4 / 12N244WC	280		35	25	197	130	182	8.1	G	12 Months
U1R-280	12N24-3 / 12N243WC	280		35	25	197	130	182	8.1	F	12 Months
U1-340	12N24-4 / 12N244WC	340		43	30	197	130	182	8.4	G	12 Months
U1R-340	12N24-3 / 12N243WC	340		43	30	197	130	182	8.4	F	12 Months



# Neuton POWER<sup>®</sup>K

## Revolution in Power



## NEUTON POWER K

RELIABILITY • PERFORMANCE • LIFE • EXTRA POWER

## NEUTON POWER K



### PASSENGER VEHICLE RANGE

PUNCHED POSITIVE & EXPANDED NEGATIVE PLATE

- Fully sealed maintenance-free
- Superior starting power and reserve capacity
- Up to 24 months warranty



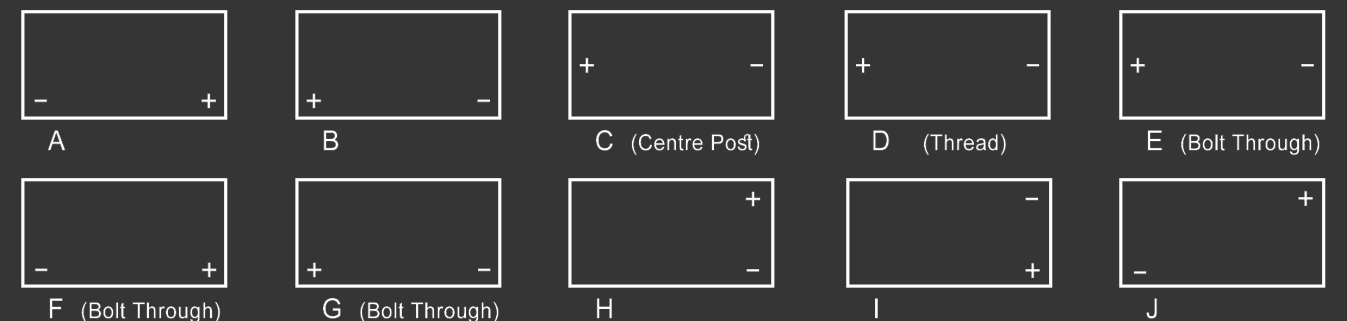
\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>PASSENGER VEHICLE RANGE</b>											
K38B19L	NS40ZLMF / S40B20L	340		55	38	187	127	222	9.2	A(s)	24 Months
K38B19R	NS40ZMF / S40B20R	340		55	38	187	127	222	9.2	B(s)	24 Months
K38B19FL*	NS40ZLMF / S40B20L	340		55	38	187	127	222	9.2	A(s)	24 Months
K38B19LS	NS40ZALMF / S40B20LS	340		55	38	187	127	222	9.3	A	24 Months
K38B19RS	NS40ZAMF / S40B20RS	340		55	38	187	127	222	9.3	B	24 Months
K46B24L	NS60LMF / S55B24L	430		71	45	235	127	222	11.7	A(s)	24 Months
K46B24R	NS60ZMF / S55B24R	430		71	45	235	127	222	11.7	B(s)	24 Months
K46B24LS	NS60ZALMF / S55B24LS	430		71	45	235	127	222	11.8	A	24 Months
K46B24RS	NS60ZAMF / S55B24RS	430		71	45	235	127	222	11.8	B	24 Months
K50D20L	50D20L	450		80	50	200	172	220	12.8	A	24 Months
K50D20R	50D20R	450		80	50	200	172	220	12.8	B	24 Months

\*F = Front Ledge (s) = Small Terminal

### ASSEMBLY





# NEUTON POWER K



## HEAVY DUTY PASSENGER RANGE PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE

- Fully sealed maintenance-free
- Superior starting power and reserve capacity
- Up to 24 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>HEAVY DUTY PASSENGER RANGE</b>											
K85L450	NS50PLMF / 22F530SMF	450		75	45	231	172	200	12.6	A	12 Months
K85R450	NS50P / 22FR530SMF	450		75	45	231	172	200	12.6	B	12 Months
K85L550	NS50PLMF / 22F530SMF	550		95	55	231	172	200	13.5	A	24 Months
K85DFL550	NS50PLMF / 22F530SMFDF	550		95	55	240	172	203	13.6	F	24 Months
K85R550	NS50P / 22FR530SMF	550		95	55	231	172	200	13.5	B	24 Months
K85EFR550	NS50PMF / AU22R530SMF	550		95	55	231	172	200	13.5	B	24 Months
K55D23LX	MF55D23L / S55D23L	550		100	60	231	172	220	14.9	A	24 Months
K55D23R	MF55D23R / S55D23R	550		100	60	231	172	220	14.9	B	24 Months
<b>US HEAVY DUTY RANGE</b>											
K78-670	78-700 / S786MF	670		120	70	260	179	181	16.2	Side	24 Months
K65D	MF65 / 65-875	750		140	80	287	187	192	18	B	24 Months
<b>ASSEMBLY</b>											



A



B



C (Centre Post)



D (Thread)



E (Bolt Through)



F (Bolt Through)



G (Bolt Through)



H



I



J

# NEUTON POWER K



## COMMERCIAL VEHICLE RANGE PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE WITH EPOXY GLUE

- Maintenance-free
- For long haul applications
- Exceptional durability in extreme conditions
- Up to 24 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>COMMERCIAL VEHICLE RANGE</b>											
K80D26RX	NS70MF / S80D26R	600		120	70	258	172	220	16.8	B	*24 Months*
K80D26LX	NS70LMF / S80D26L	600		120	70	258	172	220	16.8	A	*24 Months*
K80D31R	N70ZMF / S80D31R	600		120	70	303	172	220	18.3	B	12 Months
K80D31L	N70ZLMF / S80D31L	600		120	70	303	172	220	18.3	A	12 Months
K95D31R	N70ZZMF / S95D31R	670		140	80	303	172	220	19.4	B	*24 Months*
K95D31L	N70ZZLMF / S95D31L	670		140	80	303	172	220	19.4	A	*24 Months*
K105D31R	N70ZZMF / S95D31R	750		160	90	303	172	220	20.5	B	*24 Months*
K105D31L	N70ZZLMF / S95D31L	750		160	90	303	172	220	20.5	A	*24 Months*
KG31-1000	31MF / S31900MF	1000		190	110	330	172	240	25.6	C	12 Months
KG31-1000T	31MF / S31900MF	1000		190	110	330	172	240	25.6	D	12 Months
KN100/L	N100MF / SN100	830		180	100	408	172	230	25.1	B/A	12 Months
KN120	N12MF / SN120	870		230	120	506	182	233	33.4	H	12 Months
KN150	N150MF / SN150	1000		300	150	506	215	233	39.2	H	12 Months
KN200	N200MF / SN200	1200		430	200	509	274	240	51.7	H	12 Months
KN120EN	N120ENMF(Low) / SN120L(Low)	900	800	260	145	514	189	215	35	I	12 Months
KN150EN	N150ENMF(Low) / N94** / SN120L(Low)	1000	900	320	160	514	223	215	40.9	I	12 Months
KN200EN	N200ENMF / SN200L	1250	1150	430	210	518	273	235	55.3	I	12 Months
<b>DEEP CYCLE RANGE</b>											
KDC27/L	DC70 / 70L			180	105	303	172	221	22.9	B/A	12 Months



# NEUTON POWER K



## EUROPEAN VEHICLE RANGE PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE

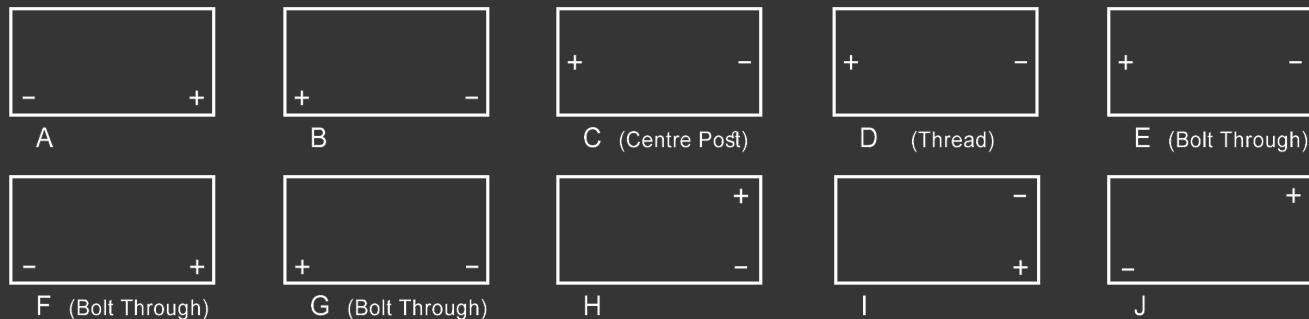
- Superior starting power & reserve capacity
- Up to 24 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>EUROPEAN VEHICLE RANGE</b>											
K54317	37AMF / S54519	360	330	60	35	207	173	175	10.6	A	24 Months
K54437	DIN44LHMF / S55066	410	390	71	44	207	173	190	11.9	A	24 Months
K55519	N55MF / S55457	500	480	90	54	242	173	175	13.5	A	24 Months
K55520	N55RRMF / S55458	500	480	90	54	242	173	175	13.5	B	24 Months
K55530	N55HMF / S55559	500	480	90	55	242	173	190	14.1	A	24 Months
K56318	N66MF / S56318	670	640	120	71	276	173	175	16.3	A	24 Months
K56319	N66RMF / S56640	670	640	120	71	276	173	175	16.3	B	24 Months
K56638	N66HMF / S56638	700	680	130	74	276	173	190	17.6	A	24 Months
K56639	N66HRMF / S56640	700	680	130	74	276	173	190	17.6	B	24 Months
K57539	77MF / MF77	750	720	140	80	315	173	175	18.3	A	24 Months
K58043	77HMF / MF77H	750	720	160	90	315	173	190	20	A	24 Months
K58044	77RHMF / MF77RH	750	720	160	90	315	173	190	20	B	24 Months
K58588	N88MF / S58515	780	740	160	90	351	173	175	20.2	A	24 Months
K60044	N88HMF / S58827	870	850	180	100	351	173	190	22.9	A	24 Months
<b>ASSEMBLY</b>											



# NEUTON POWER K



## LAWN MOWER RANGE PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE

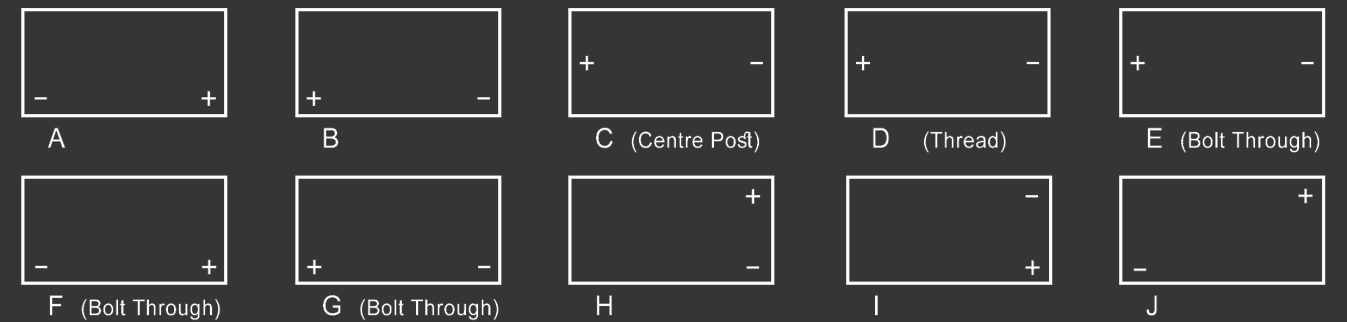
- Maintenance-free
- Up to 12 months warranty



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>LAWN MOWER RANGE</b>											
KU1-300	12N24-4 / 12N244WC	300		25	19	195	130	183	7.5	G	12 Months
KU1R-300	12N24-3 / 12N243WC	300		25	19	195	130	183	7.5	F	12 Months
KU1-350	12N24-4 / 12N244WC	350		38	27	195	130	183	8.4	G	12 Months
KU1R-350	12N24-3 / 12N243WC	350		38	27	195	130	183	8.4	F	12 Months
<b>ASSEMBLY</b>											





# NEUTON POWER K



## START-STOP RANGE

PUNCHED GRID, ENHANCED FLOOD BATTERIES (EFB)

- High density plate for better corrosion resistance
- Superior starting power and reserve capacity



## PUNCHED GRID, ABSORBENT GLASS MAT (AGM)

- Special micro-porous glass mat separators that absorb electrolytes
- Spill-proof design & greater cycle life



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
STOP START RANGE											
KEFB55530	EFB STOP-START VEHICLES	600	560	100	60	242	173	190	17	A	24 Months
KEFB56318	EFB STOP-START VEHICLES	670	650	130	65	276	173	175	17.8	A	24 Months
KEFB56638	EFB STOP-START VEHICLES	700	650	120	70	276	173	190	19.7	A	24 Months
KEFB57539	EFB STOP-START VEHICLES	750	730	150	75	315	173	175	20	A	24 Months
KEFB58043	EFB STOP-START VEHICLES	780	730	140	80	315	173	190	22.3	A	24 Months
KEFB60044	EFB STOP-START VEHICLES	950	900	170	95	351	173	190	24.9	A	24 Months
KEFB46B24L	EFB STOP-START VEHICLES	460	420	71	45	235	127	222	13.7	A(s)	24 Months
KEFB46B24R	EFB STOP-START VEHICLES	460	420	71	45	235	127	222	13.7	B(s)	24 Months
KEFB55D23L	EFB STOP-START VEHICLES	670	640	110	65	231	172	220	17.3	A	24 Months
KEFB55D23R	EFB STOP-START VEHICLES	670	640	110	65	231	172	220	17.3	B	24 Months
KEFB95D31L	EFB STOP-START VEHICLES	800	760	140	80	303	172	220	22.4	A	24 Months
KEFB95D31R	EFB STOP-START VEHICLES	800	760	140	80	303	172	220	22.4	B	24 Months

# NEUTON POWER K



## MARINE & RECREATION VEHICLES

PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE, DUAL POSTS

- Maintenance-free
- Minimal self-discharge rate
- Improved heat and vibration tolerance for long service life



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
MRV RANGE											
KMRV24	N50MF	650	810	145	80	258	172	221	19.2	B	18 Months
KMRV27/L	N70MF	750	920	170	90	303	172	221	22.1	B/A	18 Months
KMRV31	31-MF	800	1000	195	105	330	172	238	25	B	18 Months

## MARINE RANGE

PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE, DUAL POSTS

- Maintenance-free
- Vibration resistant
- Heavy duty marine battery



\* 6 month warranty for taxis and police vehicles, 12 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
MARINE RANGE											
KM24	M50MF / M24SMF630	650	810	130	75	258	172	221	17.7	B	18 Months
KM27/L	M70 / 70LMF	750	920	160	90	303	172	221	20.9	B/A	18 Months
KM31	86MF / M31	900	1120	185	105	330	172	238	25	B	18 Months



# NEUTON POWER K



## SILVER SERIES

PUNCHED POSITIVE AND EXPANDED NEGATIVE PLATE

- Unique grid surface design
- Micro 4BS crystal structure of active materials
- Micro fiber & special tissue
- Up to 36 months warranty



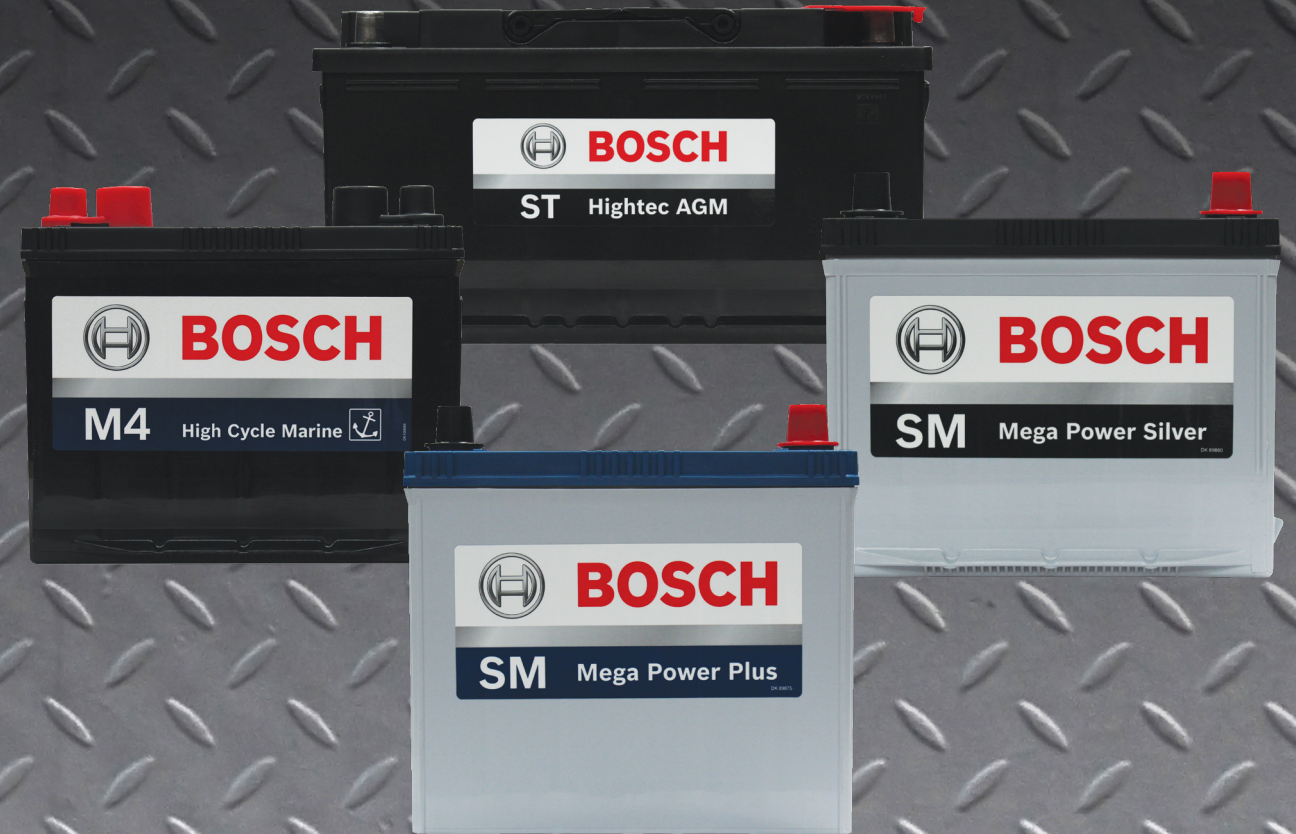
\* 6 month warranty for taxis and police vehicles, 18 month warranty for commercial vehicles.

### NEUTON POWER K PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	CCA	EN	RC	A/H	L	W	T/H	KG	A	WARRANTY
<b>SILVER SERIES</b>											
K55B24LS-S	NS60ZALMF / S55B24LS	490		80	50	235	127	222	12.1	A	*36 Months*
K85L620S	NS50PLMF / 22F530SMF	620		110	65	231	172	200	14.3	A	*36 Months*
K85R620S	NS50P / 22FR530SMF	620		110	65	231	172	200	14.3	B	*36 Months*
K55D23LS	MF55D23L / S55D23L	650		125	72	231	172	220	16.2	A	*36 Months*
K55D23RS	MF55D23R / S55D23R	650		125	72	231	172	220	16.2	B	*36 Months*
K55519S	N55MF / S55457	620	560	105	60	242	173	175	14.2	A	*36 Months*
K55530S	N55HMF / S55559	650	570	120	70	242	173	190	15.9	A	*36 Months*
K56318S	N66MF / S56318	750	720	125	72	276	173	175	16.7	A	*36 Months*
K56638S	N66HMF / S56638	800	760	160	85	276	173	190	18.6	A	*36 Months*
K57539S	77MF / MF77	830	800	160	85	315	173	175	19.4	A	*36 Months*
K58043S	77HMF / MF77H	820	780	170	95	315	173	190	20.5	A	*36 Months*
K58044S	77RHMF / MF77RH	820	780	170	95	315	173	190	20.5	B	*36 Months*
K60044S	N88HMF / S58827	950	900	185	105	351	173	190	23.3	A	*36 Months*
K80D26RS	NS70MF / S80D26R	750		140	80	258	172	220	18.3	B	*36 Months*
K80D26LS	NS70LMF / S80D26L	750		140	80	258	172	220	18.3	A	*36 Months*
K95D31RS	N70ZZMF / S95D31R	900		180	100	303	172	220	22	B	*36 Months*
K95D31LS	N70ZZLMF / S95D31L	900		180	100	303	172	220	22	A	*36 Months*



# BOSCH



## BOSCH BATTERIES

DRIVEN BY RELIABILITY



# BOSCH BATTERIES



## SM MEGA POWER PLUS PASSENGER & LIGHT COMMERCIAL VEHICLES

- Long service life
- Optimal performance ensures maximum current flow and high cranking power
- Excellence safety and recyclability through innovative container materials
- Completely sealed and maintenance free
- Up to 36 month warranty\*



\* 36 month standard warranty. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

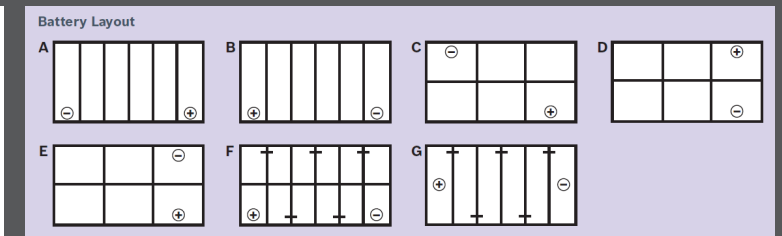
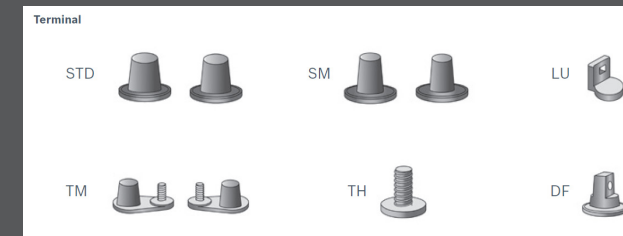
BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
<b>SM MEGA POWER PLUS</b>											
40B19L	38B19L	35	52	300	185.9	126	224.2	10	SM	A	36 Months
40B19LS	38B19LS	35	52	300	185.9	126	224.2	9.73	STD	A	36 Months
40B19R	38B19R	35	52	300	185.9	126	224.2	10	SM	B	36 Months
40B19RS	38B19RS	35	52	300	185.9	126	224.2	9.73	STD	B	36 Months
55B24L	46B24L	45	76	430	238	129	225	11.5	SM	A	36 Months
55B24LS	46B24LS	45	76	430	238	129	225	12.5	STD	A	36 Months
55B24R	46B24R	45	76	430	238	129	225	11.5	SM	B	36 Months
55B24RS	46B24RS	45	76	430	238	129	225	11.5	STD	B	36 Months
22F-550	85L550	56	86	550	240	174	205	14.3	STD	A	36 Months
22FR-550	85R550	56	86	550	240	174	205	14.3	STD	A	36 Months
AU22-550DF	85DFL550	56	86	550	231	169	211	14.3	DF	F	36 Months
AU22R-550	85EFR550	56	86	550	231	169	205	14.3	STD	B	36 Months
22F-610	85L610	55	90	610	240	172	203	15	STD	A	36 Months
22FR-610	85R610	55	90	610	240	172	203	15	STD	B	36 Months

# BOSCH BATTERIES



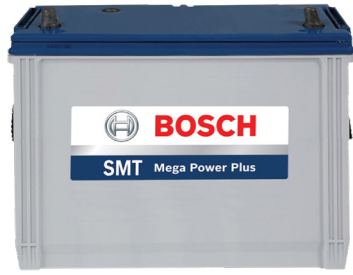
### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
<b>SM MEGA POWER PLUS</b>											
55D23L	55D23LX	55	90	550	229	172	222	16.4	STD	A	36 Months
55D23R	55D23R	55	90	550	229	172	222	16.4	STD	B	36 Months
90D26L	80D26LX	75	140	620	260	172	222	19.1	STD	A	36 Months
90D26R	80D26RX	75	140	620	260	172	222	18.7	STD	B	36 Months
55066	54437	50	84	430	208	175	190	12.4	STD	A	36 Months
55457	55519	54	94	500	245	175	175	13.5	STD	A	36 Months
56217	55530R	62	95	580	242	175	190	15.89	STD	B	36 Months
56219	55530	62	95	580	242	174	190	15.6	STD	A	36 Months
56318	56318	63	110	580	277	175	175	15.6	STD	A	36 Months
56638	56638	66	110	560	278	175	190	16.5	STD	A	36 Months
57012	56638	70	110	770	278	175	190	19.4	STD	A	36 Months
57220	56638	72	120	610	278	175	190	17.4	STD	A	36 Months
58014	57539	80	135	730	315	175	175	18.5	STD	A	36 Months
59095	58044	90	160	912	315	175	190	21.6	STD	B	36 Months
59096	58043	90	160	912	315	175	190	22	STD	A	36 Months
58515	58588	85	145	750	353	175	175	20.2	STD	A	36 Months
60038	60044	100	170	800	353	175	190	23	STD	A	36 Months
61095	DIN110	110	190	950	394	174	190	27.4	STD	A	36 Months
<b>ASSEMBLY</b>											





# BOSCH BATTERIES



## SMT MEGA POWER PLUS

HEAVY COMMERCIAL VEHICLES

- Calcium Calcium technology provides longer service life
- Dependable starting power



## SMT MEGA POWER SILVER

HEAVY COMMERCIAL VEHICLES

- Resists heat and corrosion providing extra long service life
- Safe and powerful energy supply for energy consuming vehicles



\* 12 month standard warranty. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
<b>SMT MEGA POWER PLUS / SILVER</b>											
95D31L	95D31L	90	160	710	302	172	222	22.9	STD	A	12 Months
95D31R	95D31R	90	160	710	302	172	222	22.9	STD	B	12 Months
105D31L	95D31L	95	170	770	305	172	222	22.1	STD	A	12 Months
105D31R	95D31R	95	170	770	305	172	222	21.7	STD	B	12 Months
125D31R (Cal/Sil)	95D31R	94	165	760	305	172	222	23.6	STD	B	12 Months
31-1000	G31-1000	100	160	1000	330	172	240	26.3	STD	G	12 Months
31-1000T	G31-1000T	100	160	1000	330	172	240	25	TH	G	12 Months
160F51 (N120)	N120	128	240	900	505	183	240	34	STD	D	12 Months
190G51 (N150)	N150	155	310	950	508	222	241	38.5	STD	D	12 Months
250H52 (N200)	N200	205	435	1130	523	279	248	52.5	STD	D	12 Months
N100	N100	110	190	700	406	172	231	28.3	STD	B	12 Months
N100L	N100L	110	190	700	406	172	231	28.3	STD	A	12 Months
N120	N120	135	245	1005	503	182	231	38.9	STD	D	12 Months
N150	N150	150	300	1050	507	213	231	43.3	STD	D	12 Months
N200R	N200	210	440	1300	510	275	238	58.3	STD	E	12 Months
68032	N150EN	180	360	1100	508	222	220	42	STD	E	12 Months
73011	N200EN	230	430	1250	518	273	241	54	STD	E	12 Months

# BOSCH BATTERIES



## ST HIGHTEC EFB

PASSENGER & LIGHT COMMERCIAL VEHICLES

- EFB are built for high performance and reliability, even under extreme conditions
- High density active material and optimized particle size ensures extra long service life
- Optimised negative grid alloy retards corrosion and prolongs battery life during high depth of discharge cycling
- Up to 24 month warranty\*



\* Up to 24 month standard warranty. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
<b>ST HIGHTEC EFB</b>											
LN2-EFB	EFB55530	60	100	560	245	175	190	16.5	STD	A	24 Months
LB3-EFB	KEFB56318	65	110	650	277	175	175	17	STD	A	24 Months
LN3-EFB	EFB56638	70	120	680	277	175	190	19.3	STD	A	24 Months
LB4-EFB	EFB57539	75	135	730	315	175	175	19.1	STD	A	24 Months
LN4-EFB	EFB58043	80	145	780	315	175	190	21.2	STD	A	24 Months
LN5-EFB	EFB60044	95	175	850	353	175	190	23.8	STD	A	24 Months
Q85L	EFB55D23L	75	125	660	229	172	222	18.2	STD	A	24 Months
Q85R	EFB55D23R	75	125	660	229	172	222	18	STD	B	24 Months
S95L	EFB80D26L	80	150	720	259	172	222	20.3	STD	A	24 Months
T110L	EFB95D31L	94	170	820	305	172	222	23.5	STD	A	24 Months
T110R	EFB95D31R	94	170	820	305	172	222	23.9	STD	B	24 Months
EFB-C-230	EFBN200EN	230	480	1400	518	274	239	57.4	STD	E	12 Months



# BOSCH BATTERIES



## ST HIGHTEC AGM

PASSENGER & LIGHT COMMERCIAL VEHICLES

- Extra long service life double labyrinth lid construction preventing water loss
- 100% leakage proof with AGM technology
- High charge acceptance
- Up to 36 month warranty\*



\* 36 month warranty for normal use and 24 month warranty for Stop/Start use. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
ST HIGHTEC AGM											
LN2	VRL260	60	100	680	245	175	190	18.5	STD	A	*24 Months*
LN3	VRL370	70	120	760	277	175	190	21	STD	A	*24 Months*
LN4	VRL480	80	140	800	315	175	190	25	STD	A	*24 Months*
LN5	VRL590	92	160	850	353	175	190	28	STD	A	*24 Months*
LN6	VRL6105	105	190	950	394	175	190	31	STD	A	*24 Months*

## SM MEGA POWER SILVER

PASSENGER & LIGHT COMMERCIAL VEHICLES

- Maximum performance & long service life
- Optimized silver alloy increases connectivity for higher charge acceptance
- Stable silver alloy grid reduces corrosion rate and decreases self-discharge
- Up to 36 month warranty\*



\* 36 month standard warranty. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
SM MEGA POWER SILVER											
574.068	56638	74	120	680	278	175	190	19	STD	A	36 Months
575.068	56318	75	120	680	278	175	175	17.6	STD	A	36 Months
22FR-680	85R610	60	105	680	240	172	203	15.7	STD	B	36 Months

# BOSCH BATTERIES



## HIGH CYCLE MARINE MARINE

- Designed for dual purpose to handle both starting and light cycling
- High-strength polypropylene case for increased durability
- Up to 24 month warranty\*



## DEEP CYCLE MARINE MARINE

- Long lasting full frame grid design with thicker fibreglass reinforced plates
- Thicker grid construction and alloy promotes resistance to stress of repeated cycling and vibration
- Up to 12 month warranty\*



\* 24 month standard warranty for High Cycle Marine range and 12 month standard warranty for Deep Cycle Marine range. T&C apply.

### BOSCH BATTERIES PRODUCT SPECIFICATIONS

BOSCH CODE	CROSS REFERENCES	AH	RC	CCA	L	W	T/H	KG	TERMINAL TYPE	LAYOUT	WARRANTY
HIGH CYCLE MARINE											
HCM24-680	MRV24	80	160	680	259.7	172	221.4	19.8	TM	B	24 Months
HCM27-750L	MRV27L	90	145	750	306	173	225	22.9	TM	A	24 Months
HCM27-780	MRV27	100	185	780	306	173	225	22.9	TM	B	24 Months
HCM31-900	MRV31	100	180	900	330.2	172	229.75	25.3	TM	G	24 Months
DEEP CYCLE MARINE											
DC27	DC27	80	145	570	320	172	229	24.1	TM	B	12 Months





# CROWN

## HEAVY DUTY COMMERCIAL CAR - 6V STARTER BATTERY



- Maintenance Free Cover with raised vent
- Rigid connectors - Heavy duty TTP, COS and post connectors deliver maximum electrical efficiency and durability
- Positive Plate Envelope Separators reduce maintenance and prevent failure due to short-circuiting and plate shredding



\* 24 month standard warranty. T&C apply.

### CROWN PRODUCT SPECIFICATIONS

ITEM CODE	CROSS REFERENCES	CCA	CA	RC	L	W	T/H	KG	A	WARRANTY
HEAVY DUTY COMMERCIAL RANGE										
1-XD	D12 6 Volts	670	835	130	231	176	222	14.1	J	2 Years



A



B



C (Centre Post)



D (Thread)



E (Bolt Through)



F (Bolt Through)



G (Bolt Through)



H



I



J

# CROWN BATTERIES

THE POWER BEHIND PERFORMANCE





## HEAVY DUTY DEEP CYCLE RANGE COMMERCIAL DEEP CYCLE BATTERY

- Heavy duty construction
- Heat-sealed case and cover design
- Rigid connectors - Heavy duty TTP, COS and post connectors deliver maximum electrical efficiency and durability
- Positive Plate Envelope Separators reduce maintenance and prevent failure due to short-circuiting and plate shredding
- Cast metal grid



\* 12 months standard warranty. T&C apply.

### CROWN PRODUCT SPECIFICATIONS

ITEM CODE	CROSS REFERENCES	Amp Hour Capacity		RC	L	W	T/H	KG	A	WARRANTY
		20 Hr Rate	5 Hr Rate							
<b>DEEP CYCLE 6 VOLT</b>										
CR-220	T-105 / US-2200	220	180	110 @ 75	260	179	278	27.2	J	1 Year
CR-235	T-125 / US-125	235	185	122 @ 75	260	179	278	28.6	J	1 Year
CR-260	T-145 / US-145	260	215	150 @ 75	260	179	295	34	J	1 Year
CR-275	J250H / US-250HC	275	225	155 @ 75	298	183	283	34.5	J	1 Year
CR-330	J305G / US-305	330	270	190 @ 75	310	183	359	42.2	J	1 Year
CR-390T	L16H / L16HC Top Lifting	390	310	215 @ 75	300	183	410	52.2	J	1 Year
CR-430	L16H / L16HC	430	340	240 @ 75	314	183	410	55.3	J	1 Year
<b>DEEP CYCLE 8 VOLT</b>										
CR-165	T-875 / US-8VGCHC	165	140	117 @ 56	262	179	275	29	A	1 Year
<b>DEEP CYCLE 12 VOLT</b>										
CR-GC155	T1275 / GC-12V	155	125	110 @ 56	328	179	267	39.9	A	1 Year
CR-215	J185G / US-185E	215	175	118 @ 75	394	178	372	54.4	F	1 Year
<b>ASSEMBLY</b>										



# VISION BATTERY

INTELLIGENT ENERGY STORAGE TO SERVE THE WORLD



## CP SERIES AGM BATTERY

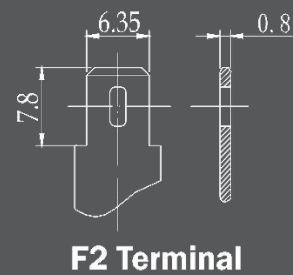
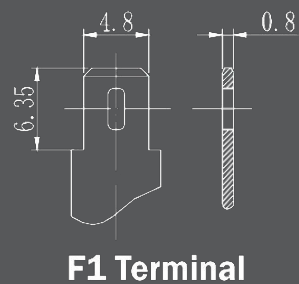
- Stable quality and high reliability
- Sealed construction
- Environmentally friendly
- Maintenance free operation
- Low pressure venting system
- Heavy duty grid
- Low-self discharge
- 12 months warranty



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>CP GENERAL PURPOSE (5 YEARS DESIGN LIFE)</b>							
CP6120	6V 12AH	151	50	100	1.85	F1	12 Months
CP1212	12V 1.2AH	97	43	58	0.53	F1	12 Months
CP1223	12V 2.3AH	178	35	67	0.99	F1	12 Months
CP1229	12V 2.9AH	79	55.5	104	1.05	F1	12 Months
CP1270EB	12V 7AH	151	65	100	2.32	F1	12 Months
CP12120	12V 12AH	151	98	101	3.67	F2	12 Months
ASSEMBLY							



## FM SERIES GENERAL PURPOSE APPLICATION

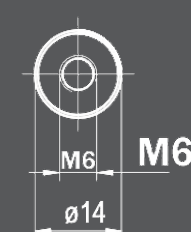
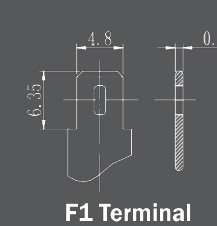
- High reliability and good quality
- Lower internal resistance
- High power density
- Long service list, in float and cyclic
- International standard, JIS and DIN
- 10 years design life



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>FM GENERAL PURPOSE (10 YEARS DESIGN LIFE)</b>							
6FM17-X	12V 17AH	181	77	167	5.5	M5	3 Years
6FM33-X	12V 33AH	195	130	168	11	M6	3 Years
6FM40-X	12V 40AH	197.5	165.5	170	14.7	M6	3 Years
6FM55-X	12V 55AH	239	132	210	17.3	M6	3 Years
6FM65-X	12V 65AH	350	167	179	23.4	M6	3 Years
6FM75-X	12V 75AH	258	166	215	22.5	M6	3 Years
6FM90T-X	12V 90AH	306	169	215	29	M6	3 Years
6FM120S-X	12V 120AH	330	171	222	32.5	M6	3 Years
6FM134-X	12V 134AH	342	172	287	40	M8	3 Years
6FM150-X	12V 150AH	485	172	240	48.4	M8	3 Years
6FM200-X	12V 200AH	522	238	223	65	M8	3 Years
6FM230-X	12V 230AH	520	269	208	72.6	M8	3 Years
6FM250Z-X	12V 250AH	520	269	227	74	M8	3 Years
3FM225-X	6V 225AH	320	176	230	30.5	M8	3 Years
ASSEMBLY							





# VISION

## DEEP CYCLE SERIES AGM BATTERY



- Ultra-long discharge cycle
- Used for power backup and energy storage
- Deep discharge recovery
- High power density
- High heat capacity
- International standard, JIS and DIN
- 12 months warranty

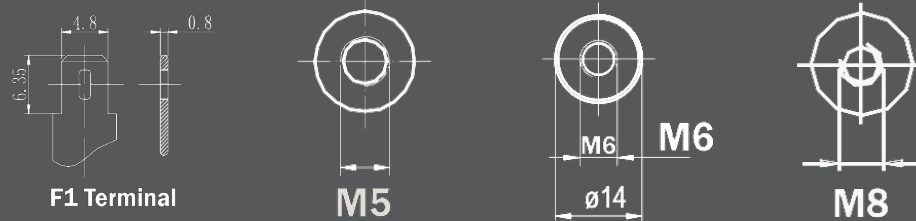
This series is designed for cyclic use. Batteries of this series are made of special alloy and paste of lead, and allow for deep discharge cycles. With a lean design, the batteries are sealed, maintenance-free, and can be installed in any direction.



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>FM DEEP CYCLE (10 YEARS DESIGN LIFE)</b>							
6FM33D-X	12V 33AH (C20 rate)	195	130	168	11	M6	12 Months
6FM45D-X	12V 45AH (C20 rate)	197.5	165.5	170	14.6	M6	12 Months
6FM55D-X	12V 55AH (C20 rate)	239	132	210	17.3	M6	12 Months
6FM75D-X	12V 75AH (C20 rate)	258	166	215	23.5	M6	12 Months
6FM80D-X	12V 75.6AH (C20 rate)	350	167	179	22.5	M6	12 Months
6FM90TD-X	12V 90AH (C20 rate)	306	169	215	29	M6	12 Months
6FM120SD-X	12V 120AH (C20 rate)	330	171	222	32.5	M8	12 Months
6FM150D-X	12V 150AH (C20 rate)	485	172	240	47	M8	12 Months
6FM200D-X	12V 200AH (C20 rate)	522	238	223	65	M8	12 Months
6FM260D-X	12V 260AH (C20 rate)	520	269	227	74	M8	12 Months
ASSEMBLY							



# VISION

## HF SERIES HIGH RATE DISCHARGE



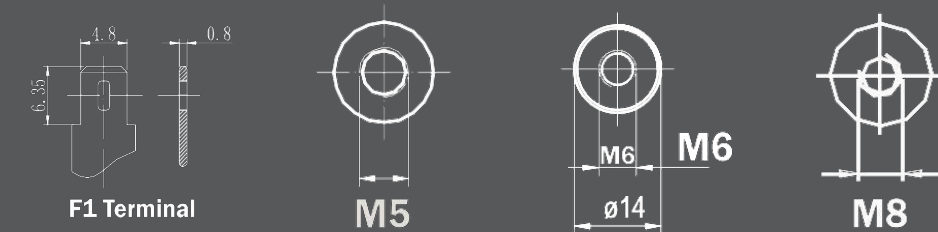
- High reliability and good quality
- Environmentally friendly
- Deep discharge recovery
- High power density
- Long service list, in float and cyclic
- International standard, JIS and DIN
- Lead-tin-calcium alloy grids for long service life



\* 3 years warranty for HF series. Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>HF HIGH RATE (10 YEARS DESIGN LIFE)</b>							
HF12-135W-X	12V 24AH	166	175	125	8.6	M5	3 Years
HF12-155W-X	12V 28AH	165	125	175	9.7	M6	3 Years
HF12-211W-X	12V 45AH	197.5	165.5	170	14.8	M6	3 Years
HF12-370W-X	12V 80AH	350	167	179	26.2	M6	3 Years
HF12-560W-X	12V 120AH	410	176	224	37.7	M8	3 Years
HF12-890W-X	12V 200AH	522	238	223	67	M8	3 Years
HF12-1010W-X	12V 210AH	522	238	223	67	M8	3 Years
ASSEMBLY							





## HFS SERIES EXTREME HIGH RATE



- Environmentally friendly
- Lower internal resistance
- Positive and negative plates in lead-calcium tin alloy
- Superior energy density and very high power output
- Operates at a low internal pressure
- Gas recombination
- A recognised component of UL
- Design life: 12 years
- Up to 3 years warranty\*



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>HFS EXTREME HIGH RATE</b>							
HFS12-115W-X	12V 26AH	165	125	175	9.6	M5	3 Years
HFS12-150W-X	12V 33AH	195	130	168	11.5	M6	3 Years
HFS12-200W-X	12V 55AH	229	138	213	17	M6	3 Years
HFS12-320W-X	12V 75AH	258	166	215	24.5	M6	3 Years
HFS12-400W-X	12V 90AH	306	170	225	29.2	M8	3 Years
HFS12-420W-X	12V 100AH	339	173	220	31.5	M8	3 Years
HFS12-450W-X	12V 120AH	410	176	224	36.5	M8	3 Years
HFS12-540W-X	12V 140AH	341	173	283	41	M8	3 Years
HFS12-560W-X	12V150AH	482	170	240	45	M8	3 Years
HFS12-710W-X	12V 192AH	530	209	220	57	M8	3 Years
HFS12-820W-X	12V 220AH	522	238	223	67.5	M8	3 Years
HFS12-850W-X	12V 220AH	526	238	246	69	M8	3 Years

## CT SERIES FRONT TERMINAL BATTERY



- Environmentally friendly
- Centralized venting system for gas ventilation
- Plastics or rope handles for handling and installation convenience
- Front access terminals for easy and quick connection
- 10 years design life for HTB series
- 15 years design life CT front terminal
- 3 years warranty\*

The CT series are value-regulated batteries, designed for the telecommunication industry. With terminals at the front, these batteries are easy to install and maintain. Dimensions of the terminals fit in a 19-inch standard power cabinet.



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>CT FRONT TERMINALS (15 YEARS DESIGN LIFE)</b>							
CT12-50X	12V 50AH	277	106	243	17.3	M6	3 Years
CT12-80X	12V 80AH	564	115	189	28.2	M6	3 Years
CT12-100X	12V 100AH	508	110	238	32.5	M6	3 Years
CT12-105X	12V 105AH	395	110	293	35	M8	3 Years
CT12-125X	12V 125AH	436	108	317	40	M8	3 Years
CT12-150X	12V 150AH	548	105	316	48.8	M8	3 Years
CT12-180X	12V 180AH	546	125	323	58.5	M8	3 Years
CT12-200D-X	12V 200AH	550	125	315	60.5	M8	3 Years
<b>HTB HIGH TEMPERATURE (10 YEARS DESIGN LIFE)</b>							
6FM33X-HTB	12V 33AH	195	130	168	11	M6	3 Years
CT12-100X-HTB FR	12V 100AH	506	110	227	32.5	M8	3 Years
CT12-150X-HTB FR	12V 150AH	552	110	295	48.8	M8	3 Years
CT12-180X-HTB FR	12V 180AH	558	125	317	58.5	M8	3 Years



## CL SERIES 2V LONG SERVICE LIFE BATTERY

- Maintenance-free & Longer life
- High safety, special low impedance, and strong charge acceptance
- Excellent tightness
- Extremely low self-discharge
- Capable of being installed in any direction, facilitating safe transportation



\* Please refer to our warranty statement. T&C apply.

### VISION PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY @ C10	L	W	T/H	KG	TERMINAL	WARRANTY
<b>CL 2V LARGE CAPACITY (20 YEARS DESIGN LIFE)</b>							
CL100	2V 100AH	171	72	211	6.4	M8	5 Years
CL150	2V 150AH	172	102	217	8.2	M8	5 Years
CL200	2V 200AH	173	111	364	14.2	M8	5 Years
CL300	2V 300AH	171	151	364	20	M8	5 Years
CL400	2V 400AH	210	176	367	28	M8	5 Years
CL500	2V 500AH	242	173	365	33	M8	5 Years
CL600	2V 600AH	302	175	367	40	M8	5 Years
CL800	2V 800AH	410	175	367	57	M8	5 Years
CL1000	2V 1000AH	475	175	367	66.5	M8	5 Years
CL1500	2V 1500AH	400	350	382	100	M8	5 Years
CL2000	2V 2000AH	490	350	382	132	M8	5 Years
CL3000	2V 3000AH	710	350	382	210	M8	5 Years
<b>CLM 2V LARGE CAPACITY TALL CASE (20 YEARS DESIGN LIFE)</b>							
CL200M	2V 200AH	171	111	342	12.5	M8	5 Years
CL300M	2V 300AH	171	151	342	17	M8	5 Years
CL500M	2V 500AH	242	173	342	28	M8	5 Years
CL600M	2V 600AH	242	173	342	31.5	M8	5 Years
CL800M	2V 800AH	301	175	343	43	M8	5 Years
CL1000M	2V 1000AH	229	186	566	57	M8	5 Years
CL1500M	2V 1500AH	266	229	566	86	M8	5 Years
CL2000M	2V 2000AH	349	233	566	113	M8	5 Years
CL3000M	2V 3000AH	696	340	342	168	M8	5 Years



## UPS LITHIUM SOLUTIONS UPS LITHIUM CABINET

- LiFePO4 Battery Cell (LFP), more secure, longer cycle life, better performance at high temperature
- Long design life and less maintenance required
- High Precision Battery Management System (BMS)
- Higher discharge rate and faster charging
- Able to communicate with UPS module
- 5+5 years pro-rata warranty

With the battery modules and BMS management all in the cabinet with display screen, Vision LFP communicates to the UPS and is securely monitored by 3 levels of battery management control system: Basic management unit in battery module (BMU), Cabinet level BMS (CBMS), System level BMS (GBMS).

Warranty for Vision LFP is 5 years fully replacement.



\* First 5 years full replacement, last 5 years pro-rata from the nvoice date of the goods. T&C apply.

### VISION PRODUCT SPECIFICATIONS

SYSTEM	MODULE MODE	CABINET	NO. OF MODULES	CB RATING	MAX. DISCHARGE CURRENT (A)	MAX. DISCHARGE (KW)	MAX. DISCHARGE CURRENT PROTECTION (A)
<b>REVO TPH SERIES</b>							
409.6V 20Ah	51.2V20AH TPH 10	600 x 800 x 1500	8	250A	20	80	245
460.8V 20Ah	51.2V20AH TPH 10	600 x 800 x 1500	9	250A	20	90	245
512V 20Ah	51.2V20AH TPH 10	600 x 800 x 1500	10	250A	20	100	245





## VISION PRODUCT SPECIFICATIONS

SYSTEM	MODULE MODE	CABINET	NO. OF MODULES	CB RATING	MAX. DISCHARGE CURRENT (A)	MAX. DISCHARGE (KW)	MAX. DISCHARGE CURRENT PROTECTION (A)
<b>REVO TPH SERIES</b>							
563.2V 20Ah	51.2V20AH TPH10	600 x 800 x 1500	11	250A	20	110	245
614.4V 20Ah	51.2V20AH TPH10	600 x 800 x 1500	12	250A	20	120	245
409.6V 40Ah	51.2V40AH TPH20	600 x 800 x 2000	8	630A	40	160	490
460.8V 40Ah	51.2V40AH TPH20	600 x 800 x 2000	9	630A	40	180	490
512V 40Ah	51.2V40AH TPH20	600 x 800 x 2000	10	630A	40	200	490
563.2V 40Ah	51.2V40AH TPH20	600 x 800 x 2000	11	630A	40	220	490
614.4V 40Ah	51.2V40AH TPH20	600 x 800 x 2000	12	630A	40	240	490
<b>REVO TP SERIES</b>							
409.6V 50Ah	51.2V50AH TP10	600 x 1000 x 2000	8	250A	50	91.2	245
460.8V 50Ah	51.2V50AH TP10	600 x 1000 x 2000	9	250A	50	102.6	245
512V 50Ah	51.2V50AH TP10	600 x 1000 x 2000	10	250A	50	114	245
563.2V 50Ah	51.2V50AH TP10	600 x 1000 x 2000	11	250A	50	125.4	245
614.4V 50Ah	51.2V50AH TP10	600 x 1000 x 2000	12	250A	50	136.8	245
409.6V 100Ah	51.2V100AH TP20	600 x 1000 x 2000	8	630A	100	182.4	490
460.8V 100Ah	51.2V100AH TP20	600 x 1000 x 2000	9	630A	100	205.2	490
512V 100Ah	51.2V100AH TP20	600 x 1000 x 2000	10	630A	100	228	490
563.2V 100Ah	51.2V100AH TP20	600 x 1000 x 2300	11	630A	100	250.8	490
614.4V 100Ah	51.2V100AH TP20	600 x 1000 x 2300	12	630A	100	273.6	490
<b>REVO TPL SERIES</b>							
409.6V 100Ah	51.2V100AH TPL5	600 x 1000 x 2000	8	125A	50	40.6	245
460.8V 100Ah	51.2V100AH TPL5	600 x 1000 x 2000	9	125A	50	45.7	245
512V 100Ah	51.2V100AH TPL5	600 x 1000 x 2000	10	125A	50	50.8	245
563.2V 100Ah	51.2V100AH TPL5	600 x 1000 x 2000	11	125A	50	55.8	245
614.4V 100Ah	51.2V100AH TPL5	600 x 1000 x 2000	12	125A	50	60.9	245
409.6V 200Ah	51.2V200AH TPL10	600 x 1000 x 2000	8	250A	100	81.2	245
460.8V 200Ah	51.2V200AH TPL10	600 x 1000 x 2000	9	250A	100	91.4	245
512V 200Ah	51.2V200AH TPL10	600 x 1000 x 2000	10	250A	100	101.6	245
563.2V 200Ah	51.2V200AH TPL10	600 x 1000 x 2300	11	250A	100	117.7	245
614.4V 200Ah	51.2V200AH TPL10	600 x 1000 x 2300	12	250A	100	121.9	245



# CSB BATTERY

LEADING GLOBAL MANUFACTURER OF VRLA BATTERIES



## GP SERIES GENERAL PURPOSE BATTERY

- High rate discharge
- Deep discharge recoverability
- Up to 5 years design life\*
- Low resistance

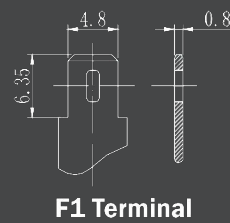
GP stands for General Purpose. The series is a modern hi-tech energy application product, and the first generation delicate product in CSB brand.



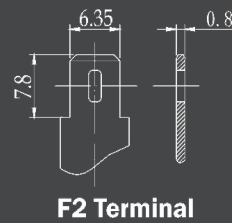
\* The design life is based on Standby Service at 25°C. 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

### CSB PRODUCT SPECIFICATIONS

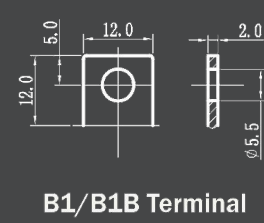
ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>GP SERIES</b>							
GP645	6V 4.5AH	70	48	108	0.84	F1	1 Year
GP645ICU	6V 4.5AH	70	48	108	0.87	F1	1 Year
GP672	6V 7.2AH	151	34	101	1.22	F1	1 Year
GP1272	12V 7.2AH	151	65	99	2.4	F2	1 Year
GP12120	12V 12AH	151	98	100	3.67	F2	1 Year
GP12170	12V 17AH	181	76	167	5.5	B1/B3	1 Year
GP12260	12V 26AH	166	175	125	8.45	M5	1 Year
GP12400	12V 40AH	197	165	170	12.74	M6	1 Year
<b>ASSEMBLY</b>							



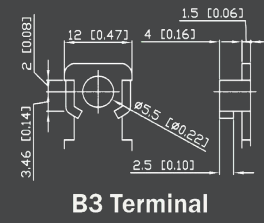
F1 Terminal



F2 Terminal



B1/B1B Terminal



B3 Terminal



M5



## EVX/EVH SERIES AGM DEEP CYCLE BATTERY

- High rate discharge
- Deep discharge recoverability
- With special formula to manufacture lead calcium alloy
- Long life, low self-discharge rate and high reliability

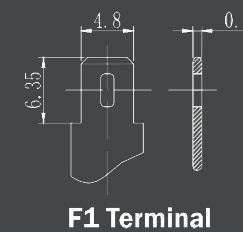
EVH means Electric Vehicle H. This series focus on improving the cycle life and run time that based on EVX series. EVX means Electric Vehicle X. This series is a modern hi-tech energy application product.



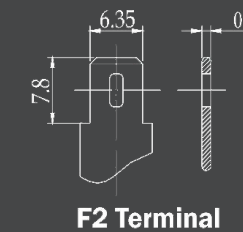
\* 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

### CSB PRODUCT SPECIFICATIONS

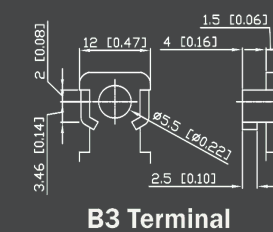
ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>EVX / EVH SERIES</b>							
EVH12150	12V 15AH	151	98	98	4.6	F2	1 Year
EVH12240	12V 24AH	181	73	170	7.55	M5	1 Year
EVX1272	12V 7.2AH	151	65	99	2.55	F2	1 Year
EVX200	12V 20AH	181	76	167	6.7	M5	1 Year
EVX260	12V 26AH	166	175	125	8.65	B3	1 Year
<b>ASSEMBLY</b>							



F1 Terminal



F2 Terminal



B3 Terminal



M5





## HR SERIES HIGH RATE DISCHARGE BATTERY

- High rate discharge
- Deep discharge recoverability
- Up to 5 years design life\*
- Low resistance



\* 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

### CSB PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>HR SERIES</b>							
HR1221	12V 21W (5AH)	90	70	106	1.8	F2	1 Year
HR1224	12V 24W (5AH)	151	51	99	1.95	F1&F2	1 Year



## UPS SERIES HIGH RATE DISCHARGE BATTERY

- High rate discharge
- Deep discharge recoverability
- Long life and low self-discharge rate



\* 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

### CSB PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>UPS SERIES</b>							
UPS12460	12V 460W	151	65	99	2.5	F2	1 Year
UPS12580	12V 580W	151	65	99	2.83	F2	1 Year



## HRL SERIES LONG LIFE GENERAL PURPOSE

- High rate discharge
- Deep discharge recoverability
- With special formula to manufacture lead calcium alloy
- Up to 10 years design life\*

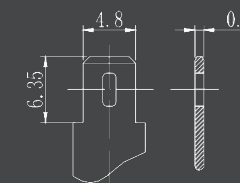
GPL stands for General Purpose and long life. The series focus on improving trickle life that based on GP series. HRL stands for High Rate and long life. The series focus on improving trickle life that based on HR series.



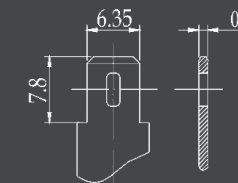
\* The design life is based on Standby Service at 25°C. 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

### CSB PRODUCT SPECIFICATIONS

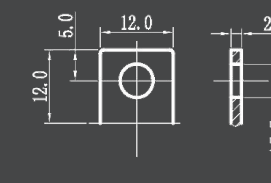
ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>HRL SERIES</b>							
HRL634	6V 9AH	151	34	99	1.32	F2	1 Year
HRL1234 FR	12V 9AH	151	65	99	2.7	F2	1 Year
<b>ASSEMBLY</b>							



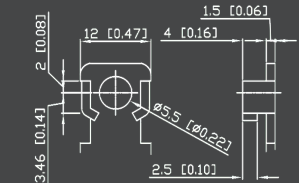
F1 Terminal



F2 Terminal



B1/B1B Terminal



B3 Terminal



M5

## XTV SERIES

### EXTREME TEMPERATURE SERIES

- High rate discharge
- Deep discharge recoverability
- Innovative plate structure dramatically improves service life under harsh conditions
- Long life and low self-discharge rate
- High reliability
- Complies with IATA/ICAO Special Provision A67 for air transport
- Up to 12 years design life\*



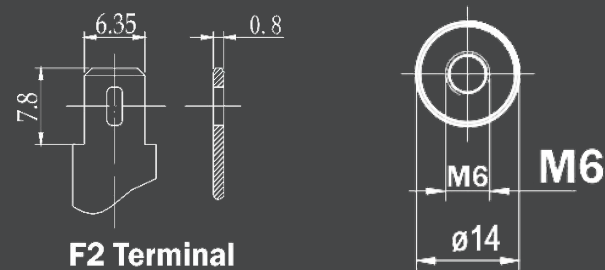
XTV stands for extreme temperature version. The series is specifically for application where robust battery performance is required to withstand harsh temperature environment.

\* The design life is based on Standby Service at 25°C. 12 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.



### CSB PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>XTV SERIES</b>							
XTV1285	12V 8.5AH	151	65	99	2.62	F2	1 Year
ASSEMBLY							



## XPL/XHRL SERIES

### EXTREME HIGH RATE LONG LIFE

- High rate discharge
- Deep discharge recoverability
- Standby use
- Long life, low self-discharge rate and high reliability
- Up to 12 years design life\*

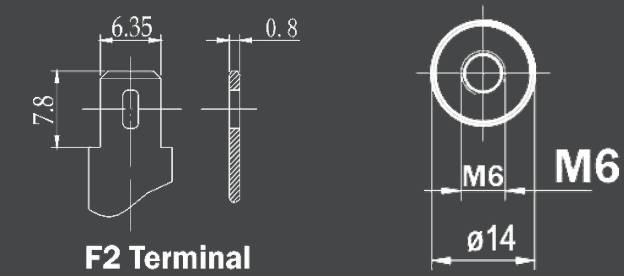


\* The design life is based on Standby Service at 25°C. Up to 36 month warranty from the date of purchase. T&C apply. Please refer to our warranty statement.



### CSB PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>XHRL / XPL SERIES</b>							
XHRL12360FR	12V 360W	261	168	213	28.3	M6	3 Years
XHRL12475FR	12V 475W	343	170	217	36.2	M6	3 Years
XHRL12620FR	12V 620W	343	170	276	47.2	M6	3 Years
XPL2000FR	12V 2000W	197	165	170	13.58	M6	1 Year
XPL4700FR	12V 4700W	309	169	214	32.8	M6	3 Years
XPL6700FR	12V 6700W	343	170	276	47.9	M6	3 Years
XPL7000FTFR	12V 7000W	558	126	255	49.7	M6	3 Years
XPL8000FTFR	12V 8000W	558	126	323	65.3	M6	3 Years
XPL9000FTFR	12V 9000W	558	126	323	69.5	M6	3 Years
ASSEMBLY							







**FRONT TERMINAL SERIES**  
TELECOM POWER AND LONG LIFE

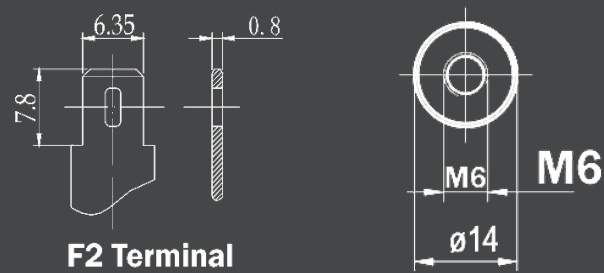
- High rate discharge
- Deep discharge recoverability
- Long life, low self-discharge rate and high reliability
- Standby use
- Complies with IATA/ICAO Special Provision A67 for air transport
- Up to 15 years design life\*



\* The design life is based on Standby Service at 20°C. 36 months warranty from the date of purchase. T&C apply. Please refer to our warranty statement.

**CSB PRODUCT SPECIFICATIONS**

ITEM CODE	CAPACITY / POWER	L	W	T/H	KG	TERMINAL	WARRANTY
<b>FRONT TERMINAL SERIES</b>							
TPL121000FR	12V 100AH	511	110	255	38.3	True Front M6	3 Years
TPL121000TFR	12V 100AH	390	105	280	34.8	Top Front M6	3 Years
TPL121250AFR	12V 125AH	547	125	320	44.7	True Front M6	3 Years
TPL121600FR	12V 160AH	547	125	320	54.8	True Front M6	3 Years
TPL121800FR	12V 180AH	547	125	320	55.1	True Front M6	3 Years
TPL122000FR	12V 200AH	560	124	323	59.7	Top Front M6	3 Years
<b>ASSEMBLY</b>							



**NEUTON POWER AGM**

RELIABILITY - PERFORMANCE - LIFE - EXTRA POWER

# NEUTON POWER AGM



## INDUSTRIAL STANDBY BATTERY AGM BATTERY

- Maintenance-free
- 5 years / 8 years design life
- General purpose
- Up to 12 months warranty



\* 12 month standard warranty. T&C apply.

# NEUTON POWER AGM



## DEEP CYCLE RANGE VRLA AGM DEEP CYCLE BATTERY

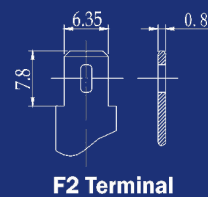
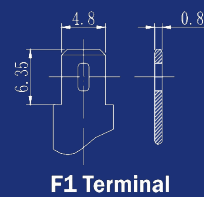
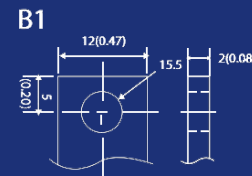
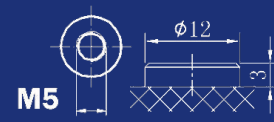
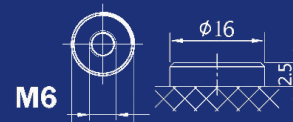
- Cycle rates 800 at 70% DOD
- Long life span
- Heavy duty



\* 12 month standard warranty. T&C apply.

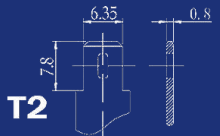
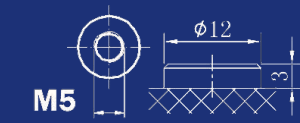
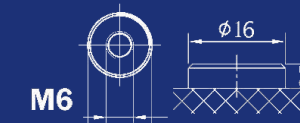
### NEUTON POWER AGM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	V	AH/20HRS	L	W	T/H	KG	T	WARRANTY
<b>AGM STANDBY BATTERY 5 YEARS DESIGN LIFE</b>									
NP1213	12V 1.2AH	12	1.3	97.5	43	58	0.57	F1	12 Months
NP1250	12V 5AH	12	5	90	70	107	1.55	F1	12 Months
NP1270	12V 7AH	12	7	151	65	100	2.05	F1	12 Months
NP12120	12V 12AH	12	12	151	98	100	3.4	F2	12 Months
NP12170	12V 17AH	12	17	181	76	167	5.0	M5	12 Months
NP12260	12V 26AH	12	26	166	175	125	7.7	M5	12 Months
<b>AGM STANDBY BATTERY 10 YEARS DESIGN LIFE</b>									
NP12330	12V 33AH	12	33	210	130	167	10	M6	12 Months
NP12400	12V 40AH	12	40	197	165	172	13.2	M6	12 Months
NP12750	12V 75AH	12	75	258	168	211	22.5	M6	12 Months
NP12900	12V 90AH	12	90	307	168	214	26	M6	12 Months
NP121000	12V 100AH	12	100	330	172	221.5	29.5	M8	12 Months
NP121200	12V 120AH	12	120	406	173	236	36	M8	12 Months
NP121500	12V 150AH	12	150	486	170	243	43	M8	12 Months
NP122000	12V 200AH	12	200	523	240	245	57.9	M8	12 Months
<b>ASSEMBLY</b>									



### NEUTON POWER AGM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	V	AH/20HRS	L	W	T/H	KG	T	WARRANTY
<b>VRLA AGM DEEP CYCLE RANGE</b>									
NPD62250	DC200-6A	6	225	260	180	252	30	M8	12 Months
NPD12150	DC12-12	12	15	151	99	103	4	F2	12 Months
NPD12250	DC17-12	12	25	181	77	171	6.5	M5	12 Months
NPD12400	DC35-12	12	40	195	130	162	11.1	M5	12 Months
NPD12500	DC40-12	12	50	198.5	166	169.5	13.9	M6	12 Months
NPD12950	DC85-12	12	95	259	168	215	26	M6	12 Months
NPD121050	DC105-12	12	105	307	167	215	29.2	M6	12 Months
NPD121250	DC120-12	12	125	330	171	214	34	M8	12 Months
NPD121700	DC135-12	12	170	341	172	283	45	M8	12 Months
NPD121900	DC150-12	12	190	480	170	236	52	M8	12 Months
NPD122300	DC200-12	12	230	532	207	220	58.8	M8	12 Months
<b>ASSEMBLY</b>									





# NEUTON POWER AGM



## DEEP CYCLE CLASSIC RANGE VRLA AGM DEEP CYCLE BATTERY

- Cycle rates 800 at 70% DOD
- Long life span
- Heavy duty



\* 12 month standard warranty. T&C apply.

### NEUTON POWER AGM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	V	AH/20HRS	L	W	T/H	KG	T	WARRANTY
<b>CLASSIC AGM DEEP CYCLE RANGE</b>									
NPDC62350	DC225-6	6	235	243	188	275	31.7	M8	12 Months
NPDC63300DT	DC335-6	6	330	295	178	365	47	DT	12 Months
NPDC64200DT	DC400-6	6	420	295	178	424	59	DT	12 Months
NPDC81800	DC180-8	8	180	260	180	280	33.5	M8	12 Months
NPDC12220	DC17-12	12	22	181	77	167	5.8	M5	12 Months
NPDC12260	DC24-12	12	26	167	176	125	7.7	M5	12 Months
NPDC12350	DC35-12	12	35	210	130	167	10	M6	12 Months
NPDC12450	DC40-12	12	45	197	165	172	14.6	M6	12 Months
NPDC12550	DC55-12	12	55	229	138	208	16.5	M6	12 Months
NPDC12900	DC90-12	12	90	258	168	214	26	M6	12 Months
NPDC121050	DC100-12	12	105	307	168	214	29.5	M8	12 Months
NPDC121250	DC120-12	12	125	330	172	214	33.2	M8	12 Months
NPDC122300	DC210-12	12	230	522	240	222	59	M8	12 Months
ASSEMBLY									

# NEUTON POWER GEL



## RECHARGEABLE DEEP CYCLE GEL BATTERY

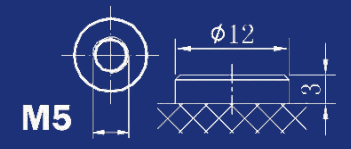
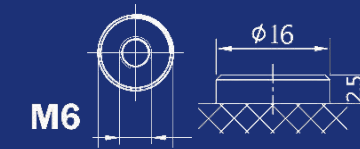
- Cycle rates 800 at 70% DOD
- Long life span
- Heavy duty



\* 12 month standard warranty. T&C apply.

### NEUTON POWER AGM PRODUCT SPECIFICATIONS

NEUTON POWER CODE	CROSS REFERENCES	V	C20 (AH)	L	W	T/H	KG	T	WARRANTY
<b>PURE GEL RANGE</b>									
NPG12-30	DCG30-12	12	30	195	130	178	10.2	M5	12 Months
NPG12-40	DCG40-12	12	38	197	165	170	12.8	M6	12 Months
NPG12-70	DCG70-12	12	70	260	168	214	22.9	M6	12 Months
NPG12-100	DCG100-12	12	100	330	173	218	31.2	M8	12 Months
ASSEMBLY									



# NEUTON POWER LITHIUM

For Better Power



## NEUTON POWER LITHIUM

FOR BETTER POWER

## NEUTON POWER LITHIUM



### 12.8V LFP SERIES

LiFePO4 RECHARGEABLE BATTERY

- 3000 - 3500 cycles at 1C 80% DOD
- Integrated built-in BMS with multiple protections
- High consistency, long cycle life and safer



\* Up to 5 year warranty from the date of purchase. T&C apply.

#### NEUTON POWER LITHIUM PRODUCT SPECIFICATIONS

ITEM CODE	DESCRIPTION	MAX DISCHARGE CURRENT	L	W	T/H	KG	T	WARRANTY
<b>NEUTON POWER LITHIUM 12.8V LITHIUM SERIES</b>								
NPL12-8	8Ah	8A	151	65	94	0.98	F2	3 Years
NPL12-100/BT	100Ah with Bluetooth	100A	306	168	220	12.9	M8	5 Years
NPL12-100FT/BT	100Ah Front Terminal with Bluetooth	100A	507	110	238	14.5	M8	5 Years
NPL12-135	135Ah	100A	330	172	214	19	M8	5 Years
NPL12-150	150Ah	150A	483	170	241	20	M8	5 Years
NPL12-200G2	200Ah with LCD & ON/OFF Button	200A	522	240	219	20.5	M8	5 Years



### 12.8V LFP - SLIMLINE (SL) SERIES

LiFePO4 RECHARGEABLE BATTERY

- Metal case with built-in LCD power voltage indicator and ideal battery for limited space
- Max 200A continuous discharge current
- Built-in battery management system for safety protection



\* Up to 5 years warranty from the date of purchase. T&C apply.

#### NEUTON POWER LITHIUM PRODUCT SPECIFICATIONS

ITEM CODE	DESCRIPTION	MAX DISCHARGE CURRENT	L	W	T/H	KG	T	WARRANTY
<b>NEUTON POWER LITHIUM SLIMLINE SERIES</b>								
NPL12-100SL	12.8V 100Ah	200A	600	270	65	15	Anderson 175 x2	5 Years
NPL12-200SL	12.8V 200Ah	200A	850	275	70	28	Anderson 175 x2	5 Years

\*\* Please note that every slimline battery comes equipped with two 175 Amps Anderson plugs.





# NEUTON POWER SOLAR

RELIABILITY - PERFORMANCE - LIFE - EXTRA POWER

## NEUTON POWER SOLAR



### OPzV SERIES VALVE REGULATED SEALED GEL BATTERY

- German tubular pure gel technology
- Long life according to EUROBAT classification
- Up to 1500 deep discharge cycles
- High discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Gel stste electrolyte prevents leakage and layering
- Easy installation vertical or horizontal
- 3+2 years warranty

Practice shows that OPzV battery has superior service life and reliability, good cycling performance and charge acceptance ability, can be used in high-low temperature environment, poor power condition and pure cycle use solar energy, wind energy of various types of communication base stations.



\* First 36 months full replacement, last 24 months pro-rata from the invoice date of the goods.

NEUTON POWER SOLAR PRODUCT SPECIFICATIONS									
NEUTON POWER CODE	CROSS REFERENCES	V	C10 Rate	C100 Rate	L	W	T/H	KG	WARRANTY
<b>OPzV Range</b>									
NG2-420	2V 420AH	2	420AH	570AH	145	206	471	33.5	3+2 Years
NG2-490	2V 490AH	2	490AH	665AH	166	206	471	38	3+2 Years
NG2-600	2V 600AH	2	600AH	773AH	145	206	646	46.5	3+2 Years
NG2-800	2V 800AH	2	800AH	1028AH	191	210	646	62	3+2 Years
NG2-1000	2V 1000AH	2	1000AH	1285AH	233	210	646	77	3+2 Years
NG2-1200	2V 1200AH	2	1200AH	1540AH	275	210	646	91.5	3+2 Years
NG2-1500	2V 1500AH	2	1500AH	1921AH	340	210	646	112.5	3+2 Years
NG2-2000	2V 2000AH	2	2000AH	2590AH	399	212	772	153	3+2 Years



# NEUTON POWER SOLAR



## DCS SERIES DEEP CYCLE BATTERY

- Very long life according to EUROBAT classification
- More than 3000 cycles at 70% DOD
- Special negative active material formula
- Improve the charge acceptance ability
- Compact structure
- Easy installation
- Convenient maintenance
- 2+2 years warranty



**NLC Cabinet**

NLC series deep cycle battery is made of special high-tin corrosion-resistant alloy. It has optimized positive grid structure design and special negative active material improving charge acceptance ability and reducing negative plate sulphation. It is optima battery for a wide range of household energy storage systems and suitable for partial state of charge (PSOC) applications.



\* First 24 months full replcement, last 24 months pro-rata from the invoice date of the goods.

NEUTON POWER SOLAR PRODUCT SPECIFICATIONS									
NEUTON POWER CODE	CROSS REFERENCES	V	C10 Rate	C100 Rate	L	W	T/H	KG	WARRANTY
LEAD CARBON RESIDENTIAL STORAGE SYSTEM WITH CABINET									
NLC12-50	12V 50AH	12	50AH	62.7AH	350	165.5	175	25.5	2+2 Years
NLC12-100	12V 100AH	12	100AH	125.4AH	345	172	275	45	2+2 Years
NLC12-100 CAB	NLC12-100 Cabinet (Up to 8 batteries)				800	350	850		



# PYLONTECH



**Outdoor Rated**

# PYLONTECH

## CUBE THE FORCE





## LITHIUM ENERGY STORAGE SYSTEM & CABINET

- Integrated BMS
- Longer life cycle - more than 6000 cycles with 90% DOD
- Flexible expansion
- High compatibility - can be combined with various brands of hybrid inverters



## PYLONTECH PRODUCT SPECIFICATIONS

ITEM CODE	V	CAPACITY	L	W	T/H	KG	WARRANTY		
<b>PYLONTECH 12V LOW VOLTAGE</b>									
RT12100G31	12.8V	100AH	325	174	238	26	5 Years		
ITEM CODE	V	CAPACITY	W	D	T/H	KG	WARRANTY		
<b>PYLONTECH 24V LOW VOLTAGE</b>									
UP2500	25.6V	111AH	420	442	120	26	7 Years		
<b>PYLONTECH 48V LOW VOLTAGE</b>									
US2000	48V	50AH	410	442	89	24	10 Years		
US3000C	48V	74AH	420	442	132	32	10 Years		
US5000B	48V	100AH	420	442	161	39	10 Years		
FORCE L1 BATTERY	48V	74AH	380	600	170	36	10 Years		
FORCE L1 BMS	BMS with basement & cables, for 2-7 Force L1		380	600	150	13	10 Years		
PELIO	51.2V	100AH	395	578	165	45	10 Years		
>6000 CYCLES @ 90% DOD									
<b>PYLONTECH HIGH VOLTAGE</b>									
H48074	48V	74AH	420	442	132	32	10 Years		
SC0500-100S	BMS Controller for 3-7 HV modules		270	442	132	6	10 Years		
SC1000-100S	BMS Controller for 5-15 HV modules		270	422	132	6	10 Years		
FORCE H1 BATTERY	48V	74AH	380	600	170	36	10 Years		
FORCE H1 BMS	BMS with basement & cables, for 2-7 Force L1		380	600	150	13	10 Years		
FORCE H3 BATTERY	102.4V	50AH	540	350	170	39	10 Years		
FORCE H3 BMS	BMS for 2-7 Force H3 battery		540	350	150	12	10 Years		
FORCE H3 COMBINER BOX	Maximum for 3 strings		400	385	200	11.5	10 Years		
<b>ACCESSORIES &amp; RACKS/CABINETS</b>									
ITEM CODE	DESCRIPTION					W	D	T/H	KG
LV-HUB	For multiple groups of 48V battery banks					190	442	44	2
RACK X1	To suit 7xH48050 + 1xBMS or 8xUS2000					505	600	1300	35
RACK X2	To suit 7xH48074 + 1xBMS or 8xUS3000C					505	600	1379	35
RACK H1	To suit 15xH48050 + 1xBMS or 16xUS2000					505	600	2129	55
RACK H2	To suit 12xH48074 + 1xBMS or 12xUS3000C					505	600	1379	35
RK2000	Indoor Rack to suit 10xUS5000					505	900	2060	35
LV OUTDOOR CABINET WD1380	IP55 / To suit 6xUS3000C or 4xUS5000B					450	600	1380	75
INDOOR CABINET	IP20 / To suit 6xUS2000 or 4xUS3000C					620	600	890	45
US BRACKET	Maximum 3 brackets per group								
PELIO BRACKET	Maximum 4 units for ground mount or 3 units for wall mount (WiFi included)								
PELIO EXPANSION KIT	Power expansion cable kit								
CABLE KIT	Cables between battery bank and inverter, charges apply to extra cables only								



# DYNESS



## DYNESS

### LITHIUM ENERGY STORAGE SYSTEM



- Flexible expansion
- Easy installation
- High safety LFP
- Wide compatibility



## DYNESS

BATTERY ENERGY STORAGE INNOVATOR

#### DYNESS PRODUCT SPECIFICATIONS

ITEM CODE	CAPACITY	USABLE CAPACITY	DIMENSION (mm)	WEIGHT (kg)	MAX. CONTINUED CURRENT	CYCLE LIFE	WARRANTY
<b>LITHIUM ENERGY STORAGE SYSTEM</b>							
DL5.0	5120WH	4864WH	481 x 535 x 140	44	100A	6000 0.5C	10 Years



# WARRANTY & GUARANTEE

The guarantee that comes with our goods are bound by Australian Consumer Law. Where a major failure caused by faulty materials and workmanship occurs within the Specified warranty period, you are entitled to a replacement or refund and other loss and damage reasonable foreseeable, you are entitled to be compensated. Further, if the goods are of unacceptable quality does not cause a major failure, you are entitled to a repair or replacement of the goods.

## WARRANTY EXCLUSIONS

This warranty does not apply where damage or defects to the battery are caused by the following conditions, including without limitation:

1. Accident, misuse, abuse, improper operation or tampering including removal or damage to vent plugs or loss of parts.
2. The warranty period will be automatically adjusted to the length for commercial use if the vehicle intended to be installed is not present or cannot be inspected by a representative of authorized dealer.
3. Improper, insecure or incomplete mounting.
4. Improper installation including installation of the battery with a capacity lower than that specified by the manufacturer of the product for which the battery will be used.
5. Misapplication including installation of a battery not compatible with its intended application or inappropriate application of the battery.
6. Lack of reasonable care, neglect (including causing sulphation), storage for a long period without proper maintenance or failure to maintain adequate acid level (applies to accessible batteries only).
7. Overcharging, undercharging or if it is discharged: faulty terminals caused failure.
8. Explosion causing damage as a result of a faulty connection including wrong, loose or reversed connection or frayed cables.
9. Any repair or modification by a third party without prior consent from YHI Power PTY LTD: or
10. Any damaged or defects as a result of normal wear and tear.
11. Warranty are not covered for battery that is used in a vehicle different from the vehicle described in the vehicle information guide.

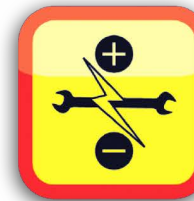
## BATTERY SAFETY AND MAINTENANCE TIPS

Extend the life of your battery by:

1. Securing the battery firmly to the cradle, not too tight or too loose. Vibration will damage plates and shorten battery life.
2. Keeping battery cables and terminal connector clean and tight, corrosion prevents electrical flow which can severely diminish charging current and reduce ability of battery to start the vehicle.
3. Checking your electrical charging system regularly and making sure it's working properly. Over or undercharging will impact the positive and negative plates causing a dramatic reduction in the life of the battery.
4. Checking electrical wiring and load. Electrical leakage or short will drain your battery. ie. a boot light or accessories left on can drain your battery overnight.
5. Using the right battery for the application, battery should be the same or bigger than the OEM fitment, undersize battery will fail early.
6. Using automotive battery for starting application and deep cycle battery for deep cycle application (TV, fridge, trolling etc), EFB & VRL range for Start-Stop vehicles.
7. Keeping sparks and flames away from battery, battery creates explosive gases when charging.
8. Keeping your battery fully charge when not used frequently.
9. Keeping the electrolyte level above the plates (for accessible types only).

# SAFETY CHART

**YHI POWER respects and understands the importance of safe procedures when handling and installing batteries. Please refer to the following symbols to ensure that you are not placing yourself and other in danger.**



**Never place metal objects between terminals**



**Use care when lifting (batteries are heavy)**



**Wash eyes immediately with clean water**



**Chemicals toxic to aquatic wildlife**



**Qualified installation recommended**



**Always wear acid resistant clothing**



**Do not smoke near batteries**



**Explosive; fire, blast or projection hazard**



**Eye protection recommended**



**Battery acid is corrosive**



**An immediate skin, eye or respiratory tract irritant, or narcotic.**



**Automotive batteries can & should be recycled**



**Health hazard; cause respiratory irritation, reproductive or organ toxicity**



# YHI POWER

Battery Power You Can Rely On



## VICTORIA

### STATE OFFICE - MELBOURNE (HQ)

20-22 Venture Way,  
Braeside, VIC 3195  
Tel: 03 9588 1888  
Email: inquiry@yhipower.com.au

### SUNSHINE

124 Fairbairn Road,  
Sunshine West, VIC 3020  
Tel: 03 9973 6810

### BENDIGO

Tel: 0458 868 999

### SHEPPARTON

15 Toolamba Road  
Mooroopna VIC 3629  
Tel: 03 5800 2891

### SOMERTON

Fct 2, 16-18 Fleet Street,  
Somerton, VIC 3062  
Tel: 03 9305 1500

### WARRAGUL

Unit 4, 22-23 Masterson Court  
& 6-8 Hazel Drive,  
Warragul, VIC 3820  
Tel: 03 9802 2999

### A GRADE OILS & BATTERIES

#### WODONGA

77B Thomas Mitchell Dr  
Wodonga, VIC 3690

## QUEENSLAND

### STATE OFFICE - BRISBANE

498 Progress Rd,  
Wacol, QLD 4076  
Tel: 07 3379 1461  
Email: qldsales@yhipower.com.au

### SUNSHINE COAST

12-14 Sydal Street,  
Little Mountain, QLD 4551  
Tel: 04 3962 8624

### CAIRNS

1/135 Lyons Street  
Bungalow QLD 4870  
Tel: 04 2904 2167

### ROCKHAMPTON

7/33-37 Bridge Street  
Berserker QLD 4701  
Tel: 07 5539 2222

### TOOWOOMBA

17/489-491 South Street  
Harristown 4350  
Tel: 07 5539 6666

## NEW SOUTH WALES

### STATE OFFICE - SYDNEY

8 Penelope Crescent  
Arndell Park, NSW 2148  
Tel: 02 9672 4998  
Email: nswadmin@yhipower.com.au

## WESTERN AUSTRALIA

### STATE OFFICE - PERTH

16 Ernest Clark Road,  
Canning Vale, WA 6155  
Tel: 08 9456 2224  
Email: wasales@yhipower.com.au

## NORTHERN TERRITORY

### DARWIN

Unit 1, 104 McKinnon Rd,  
Pinelands, NT 0829  
Tel: 0499 447 728  
Email: skernan@yhipower.com.au

## SOUTH AUSTRALIA

### STATE OFFICE - ADELAIDE

2/497 Cross Keys Road,  
Cavan SA 5094  
Tel: 08 8117 9303  
Email: adawson@yhipower.com.au

## TASMANIA

### HOBART

Unit 3, 4 Railway Court,  
Cambridge, TAS 7170

### Independent Oils Ulverstone

8 Trevor Street,  
Ulverstone TAS 7315  
Tel: 03 6425 7247

### Independent Oils Hobart

26 Chesterman Street,  
Moonah TAS 7009  
Tel: 03 6273 7588

### Independent Oils Launceston

Unit 3, 13-17 Merino St,  
Kings Meadows, TAS 7249  
Tel: 03 6164 7500