



INDUSTRIAL BATTERIES

AGM VRLA Batteries

General Purpose Series (GP)
High Rate Discharge Series (HR)
Long Life (GPL /HRL)
Extreme High Rate Long Life Series (XHRL)
UPS Series (UPS)
Cycling Series (EVH / EVX)



Maintenance Free Valve Regulated Lead Acid Design.
Manufactured under a certified ISO9001 quality system.

Can be operated in horizontal or vertical position.

Non-spillable - Can be used in office environment.

Meets IATA A67 Air freight specification.



YHI



INDUSTRIAL BATTERIES

Comply With AS 1603.4 - 1987 Appendix G For Use In Fire Detection And Alarm System.
 Recommended Charging : Standby Use : 2.275 +/- 0.0025
 Temp. Coefficient -3.3mv / Cell / °C

GP (General Purpose) 5 Years Design Life Batteries



- Applications Include UPS, Communicatons, Control, Emergency Lighting, Fire & Security.
- 2 Years Warranty.

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 20Hr*	Length	Width	Height *	Weight	Terminal Position	Terminal Type
		(Ah)	mm	mm	mm	Kg		
GP6120	6	12.0	151.0	50.0	100.0	1.9	c	F1
GP1272	12	8	51.0	65.0	98.6	2.4	e	F1/F2
GP12120	12	12.0	151.0	98.3	100.0	3.7	e	F2
GP12170	12	17.0	181.0	76.2	167.0	5.5	d	B1/B3
GP12260	12	26.0	166.0	175.0	125.0	8.5	d	M5
GP12400	12	40.0	197.0	165.0	170.0	12.6	d	M5

GPL (General Purpose) 10 Years Design Life Batteries



- Applications Include UPS, Communications & Control.
- 2 Years Warranty.

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 20Hr*	Length	Width	Height *	Weight	Terminal Position	Terminal Type
		(Ah)	mm	mm	mm	Kg		
GPL1272	12	7.2	151.0	65.0	98.6	2.6	e	F2
GPL12260	12	26.0	166.0	175.0	125.0	8.3	d	M5

HR (High Rate Discharge) 5 Years Design Life Batteries



- Applications include UPS, Communicatons, Control, Emergency Lighting, Fire & Security. & Instrumentation.
- 1 Year Warranty.

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 15 mins to 1.67Vpc	Length	Width	Height *	Weight	Terminal Position	Terminal Type
		(W/Cell)	mm	mm	mm	Kg		
HR1221	12	21.0	90.0	70.0	106.0	1.8	c	F2
HR1224	12	24.0	151.0	51.0	98.3	2.0	e	F1 & F2
GP1272(28W)	12	28.0	151.0	65.0	98.6	2.1	e	F1/F2
HR1234	12	34.0	151.0	65.0	98.6	2.5	e	F2

HRL (High Rate Long Life) 10 Years Design Life Batteries



- Applications include UPS, Communicatons, Control, Emergency Lighting, Fire & Security. & Instrumentation.
- 1 Year Warranty.

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 15 mins to 1.67Vpc	Length	Width	Height *	Weight	Terminal Position	Terminal Type
		(W/Cell)	mm	mm	mm	Kg		
HRL634	6	34.0	151.0	34.0	98.6	1.3	c	F2
HRL1234	12	34.0	151.0	65.0	98.6	2.7	e	F2

Notes : 1. Heights Shown Are To Top Of Battery Terminals. 2. Nominal Capacities To End Voltage 1.75vpc @ 25°C



INDUSTRIAL BATTERIES

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 Recommended Charging : Standby Use : 2.275 +/- 0.0025
 Temp. Coefficient -3.3mv / Cell / °C

XHRL (Extreme High Rate Long Life) 10 Years Design Life Batteries

- Applications include UPS, Workstation UPS, Emergency Lighting, Communications & Control.
- 3 Years Warranty.



Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 15 mins to 1.67Vpc (W/Cell)	Length mm	Width mm	Height mm *	Weight Kg	Terminal Position	Terminal Type
XHRL12360W	12	360.0	261.0	168.5	213.5	27.5	c	M6
XHRL12410W	12	410.0	308.7	168.9	213.5	31.0	c	M6
XHRL12475W	12	475.0	342.0	170.0	213.5	35.3	c	M6
XHRL12620W	12	620.0	343.0	170.0	275.7	47.2	c	M6

UPS (Optimum High Rate Discharge) 5 Years Design Life Batteries

- Applications include UPS, Emergency Lighting, Communications, Electrical Equipment, Telemeters.
- 1 Year Warranty.



Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 5 mins to 1.60V (W/PCS)	Length mm	Width mm	Height mm *	Weight Kg	Terminal Type
UPS12240	12	240	151	51	98.6	1.5	F2
UPS123606	12	360	151	51	98.6	2.0	F2
UPS12460	12	460	151	65	98.6	2.5	F2
UPS12580	12	580	151	65	98.6	2.8	F2

EVH / EVX (Electric Vehicle) Cycling Batteries

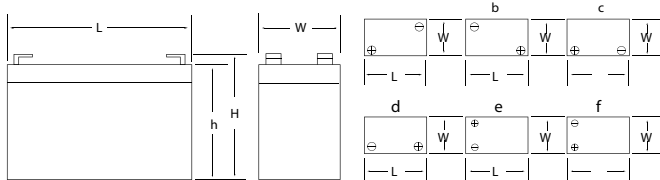
- Applications include Solar, Electric Scooters, Marine & Medical. Excellent cycling performance. Can also be used for standby applications.
- 1 Year Warranty.



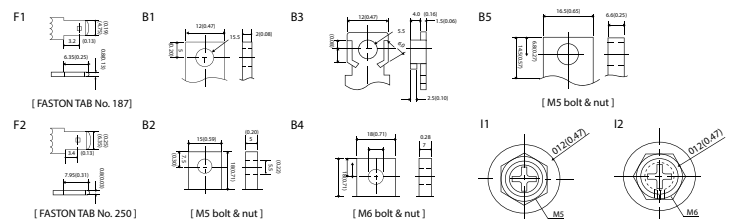
Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 20Hr* (Ah)	Length mm	Width mm	Height mm *	Weight Kg	Terminal Position	Terminal Type
EVH12150	12	15.0	151.0	98.0	101.8	4.6	e	F2
EVX12200	12	20.0	181.0	76.2	167.0	6.7	d	M5
EVH12240	12	24.0	181.0	76.2	170.0	7.8	d	M5
EVX12260	12	26.0	166.0	175.0	125.0	9.8	d	B2

Notes : 1. Heights Shown Are To Top Of Battery Terminals. 2. Nominal Capacities To End Voltage 1.75vpc @ 25°C

Terminal Position



Terminal Type





PERFORMANCE DATA

Constant Power Discharge Characteristics Watt/cell to 1.67Vpc (25°C /77°F)

Model	2 MIN	4 MIN	6 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
HR1221	85.8	59.5	47.3	39.6	33.8	25.0	20.0	14.4	8.0	5.4
HR1224	88.2	62.2	49.5	41.8	36.2	27.0	21.3	15.5	8.4	6.7
GP1272(28W)	92.0	64.5	50.8	43.7	38.2	28.7	23.0	16.7	9.7	6.9
HR1234	107.5	78.3	62.7	52.5	46.0	34.2	27.5	20.2	11.8	8.4
HRL-634	104.0	82.0	65.7	55.7	47.7	36.3	27.5	20.1	11.5	9.2
HRL-1234	96.8	72.5	59.0	49.8	43.7	34.0	26.3	19.0	10.9	7.8
XHRL12360	899.8	730.2	616.8	545.0	477.3	372.7	299.8	220.7	126.7	91.7
XHRL12410	933.3	799.0	676.3	599.8	527.7	417.3	344.7	263.3	147.2	104.7
XHRL12475	1180.2	959.7	807.7	705.3	616.7	478.2	387.2	287.5	163.0	116.8
XHRL12620	1073.2	946.7	905.3	815.8	731.2	620.0	497.2	374.8	221.5	159.8

Constant Power Discharge Characteristics Watt/cell To 1.60vpc (25°C /77°F)

Model	2 MIN	4 MIN	5 MIN	6 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	45 MIN	60 MIN	90 MIN
UPS 12240	63.8	45.8	40.0	35.5	29.5	25.2	18.7	15.0	11.0	8.0	6.4	4.7
UPS 12360	93.0	67.2	60.0	53.0	43.2	37.0	28.2	22.5	16.7	12.2	9.7	7.1
UPS 12460	112.2	86.7	76.7	68.7	57.2	49.3	37.3	30.0	22.2	16.1	12.9	9.4
UPS 12580	151.3	110.5	96.7	86.0	71.2	60.2	43.7	34.7	25.0	18.0	14.0	9.9

Constant Current Discharge Characteristics Amps to 1.75Vpc (25°C /77°F)

Model	5 MIN	10 MIN	15 MIN	30 MIN	60 MIN	90 MIN	2HR	3 HR	5 HR	8 HR	10 HR	20 HR
GP6120	43.3	30.0	22.6	13.4	8.0	5.7	4.6	3.3	2.1	1.4	1.6	0.6
GP1272	30.0	20.1	15.1	9.0	5.3	3.9	3.1	2.2	1.5	1.0	0.8	0.4
GP12120	43.3	30.0	22.6	13.4	8.0	5.8	4.6	3.3	2.1	1.4	1.2	0.6
GP12170	61.0	43.1	34.1	22.3	13.4	9.9	7.9	5.6	3.6	2.3	1.9	0.9
GP12260	89.7	62.0	49.0	31.6	19.3	14.0	11.2	8.1	5.2	3.4	2.7	1.4
GP12400	135.0	95.0	75.5	49.0	30.0	21.8	17.4	12.3	7.9	5.1	4.1	2.0
GPL1272	21.8	17.0	13.9	8.5	4.3	3.2	2.5	1.8	1.2	0.9	0.7	0.4
GPL12260	88.4	61.2	47.0	29.3	17.9	13.3	10.8	7.7	3.0	3.3	2.8	1.5

Charging Voltage And Maximum Charging Current

Application	Temperature	Charging Voltage (V/cell)		
		Set Point	Allowable Range	Max.charging Current(A)
Cycle Service	25°C (77°F)	2.45	2.40-2.50	0.3°C
Standby	25°C (77°F)	2.275	2.25-2.30	0.3°C

