



INDUSTRIAL BATTERIES

AGM VRLA Batteries

General Purpose Series (GP)

Cycling Series (EVX)

High Rate Series (HR & HC)

General Purpose 10 Year Design Life Series (GPL)



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.



GP (General Purpose) 5 Year Design Life Batteries

Applications include UPS, Communications, Control, Emergency Lighting, Fire & Security
 Users include APC, MGE, Chloride & Emerson.
 2 Year warranty for standby applications.
 Comply with AS1603.4 – 1987 Appendix G for use in fire detection and alarm systems.



General Specifications

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 20 Hr* (Ah)	Length (mm)	Width (mm)	Height * (mm)	Weight (Kg)	Terminal Position	Terminal Type	Recommended Charging
GP645	6	4.5	70.0	48.0	108.0	0.8	a	F1	
GP672	6	7.2	151.0	34.0	100.0	1.3	c	F1	Standby Use :
GP6120	6	12.0	151.0	50.0	100.0	2.1	c	F1/F2	2.275 +/- 0.025
GP1222	12	2.2	178.0	34.0	66.0	0.9	c	F1	V / cell @ 25°C
GP1245	12	4.5	92.8	69.9	108.0	1.6	c	F1	
GP1272	12	7.2	151.0	65.0	100.0	2.6	e	F1/F2	Temp. Coefficient
GP12120	12	12.0	151.0	98.3	100.0	4.1	e	F2	-3.3mV / Cell / °C
GP12170	12	17.0	181.0	76.2	167.0	5.9	d	B1/B3	
GP12260	12	26.0	166.0	175.0	125.0	9.3	d	B3	
GP12400	12	40.0	197.0	165.0	170.0	14.8	d	B2	
GP12650	12	65.0	350.0	166.0	174.0	22.0	d	B4	

HR / HC (High Rate Discharge) Batteries

Applications include UPS & Instrumentation.
 Excellent high rate discharge performance.



General Specifications

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 15min to 1.67 Vpc (W/Cell)	Length (mm)	Width (mm)	Height * (mm)	Weight (Kg)	Terminal Position	Terminal Type	Recommended Charging
HC1221	12	21 .0	139.7	48.0	103.5	2.00	c	C	
HR1214	12	14 .0	140.0	32.0	108.0	1.40	c	F2	Same as
HR1221	12	21 .0	90.0	70.0	106.0	2.00	c	F2	GP series
HR1224	12	24 .0	151.0	51.0	98.3	2.10	e	F1 & F2	
HR1234	12	34 .0	151.0	65.0	100.0	2.60	e	F2	
HR12120	12	120.0	166.0	125.0	175.0	10.7	c	I1	

GPL (General Purpose Long Life) Batteries

10 year design life under normal float conditions.
 Applications include UPS, Communications & Control.



General Specifications

Battery Model No	Nominal Voltage (Volts)	Nominal Capacity @ 20 Hr* (Ah)	Length (mm)	Width (mm)	Height * (mm)	Weight (Kg)	Terminal Position	Terminal Type	Recommended Charging
GPL1272	12	7.2	151.0	65.0	100.0	2.6	e	F2	Same as
GPL12750	12	75.0	261.0	168.5	212.7	26.0	c	I2	GP series
GPL121000	12	100.0	342.0	170.0	216.0	35.0	c	I2	

*Notes : 1. Heights shown are to top of battery terminals. 2. Nominal capacities to end voltage 1.75Vpc @ 25°C

EVX (Electric Vehicle) Cycling Batteries

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

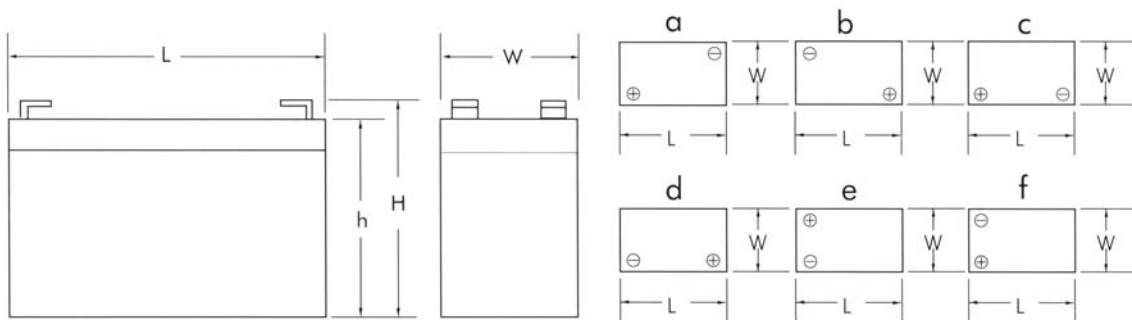


General Specifications

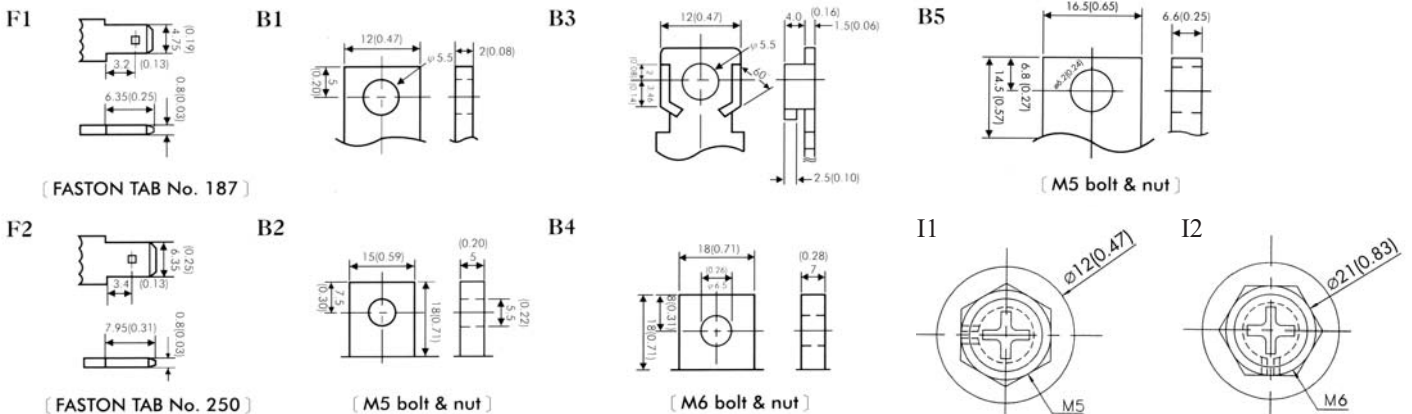
Battery Model No	Nominal Voltage (Volts)	Nominal Capacity (Ah) @ 20 Hr*	Length mm	Width mm	Height * mm	Weight Kg	Terminal Position	Terminal Type	Recommended Charging
EVX12120	12	12.0	151.0	98.3	100.0	4.2	e	F2	Standby Use :
EVX12170	12	17.0	181.0	76.2	167.0	6.1	d	B3	Same as GP Series
EVX12200	12	20.0	181.0	76.2	167.0	6.7	d	I1	
EVX12260	12	26.0	166.0	175.0	125.0	9.8	d	B3	Cycle Use :
EVX12340	12	34.0	195.6	130.0	178.3	13.3	c	B5	2.45 +/- 0.05
EVX12400	12	40.0	197.0	165.0	170.0	15.2	d	B2	V / cell @ 25°C
EVX12650	12	65.0	350.0	166.0	174.0	22.3	d	B4	Temp. Coefficient
EVX121000	12	100.0	511.8	175.2	174.0	35.5	f	B4	-5 mV/Cell/ °C

*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

Watts / Cell to 1.70 Vpc @ 25°C

Battery	5	10	15	30	1	2	3
Model No.	mins	mins	mins	mins	hour	hour	hour
GP645	34.8	23.1	17.6	10.6	6.2	3.5	2.5
GP672	52.0	35.2	27.5	17.3	10.5	6.0	4.3
GP6120	86.3	58.8	46.1	29.1	17.3	10.2	7.2
GP1222	15.9	11.0	8.6	5.2	2.6	1.5	1.1
GP1245	34.8	23.1	17.6	10.6	6.2	3.5	2.5
GP1272	52.0	35.2	27.5	17.3	10.5	6.0	4.3
GP12120	86.3	58.8	46.1	29.1	17.3	10.2	7.2
GP12170	134.8	92.0	72.0	45.8	27.5	16.0	11.4
GP12260	193.3	130.5	101.7	64.3	39.0	22.8	16.3
GP12400	298.3	203.3	158.7	100.7	61.0	35.2	25.0
GP12650	458.3	313.3	245.0	155.2	94.0	54.3	38.5
GPL1272	42.5	33.8	26.3	16.8	8.9	5.3	3.6
GPL12750	511.6	350.0	273.3	171.7	101.8	59.7	41.3
GPL121000	650.0	443.3	346.7	218.3	128.8	73.2	52.3

CONSTANT CURRENT

Amps to 1.75 Vpc @ 25°C

Battery	15	30	1	2	3	5	8
Model No.	mins	mins	hour	hour	hour	hour	hour
GP645	8.6	5.2	3.0	1.8	1.2	0.8	0.5
GP672	13.3	8.6	5.2	3.0	2.1	1.4	0.9
GP6120	22.3	14.3	8.5	4.9	3.6	2.3	1.5
GP1222	3.8	2.6	1.3	0.7	0.5	0.3	0.2
GP1245	8.6	5.2	3.0	1.8	1.2	0.8	0.5
GP1272	13.3	8.6	5.2	3.0	2.1	1.4	0.9
GP12120	22.3	14.3	8.5	4.9	3.6	2.3	1.5
GP12170	34.3	22.3	13.5	7.9	5.7	3.6	2.3
GP12260	49.2	31.6	19.4	11.4	8.1	5.2	3.4
GP12400	75.5	49.0	30.1	17.5	12.5	7.9	5.1
GP12650	117.0	75.5	46.5	27.1	19.2	12.2	7.9
GPL1272	12.7	8.3	4.5	2.7	1.8	1.2	0.8
GPL12750	144.0	85.4	50.7	29.8	20.6	14.0	9.1
GPL121000	184.0	107.5	64.2	36.8	26.1	17.5	11.5

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