



Maintenance-Free Rechargeable Sealed Lead-Acid Battery



HR5.5-12

(22W/Cell 15Min Rate)

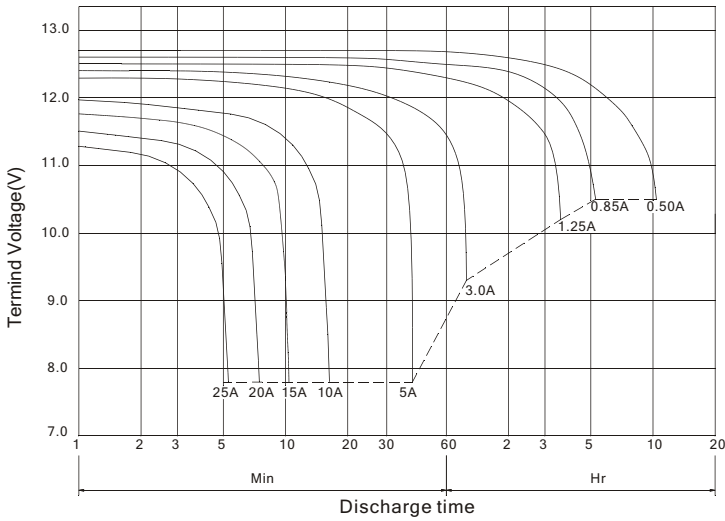
For High Rate Discharge

The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can use in any direction and position without leakage.

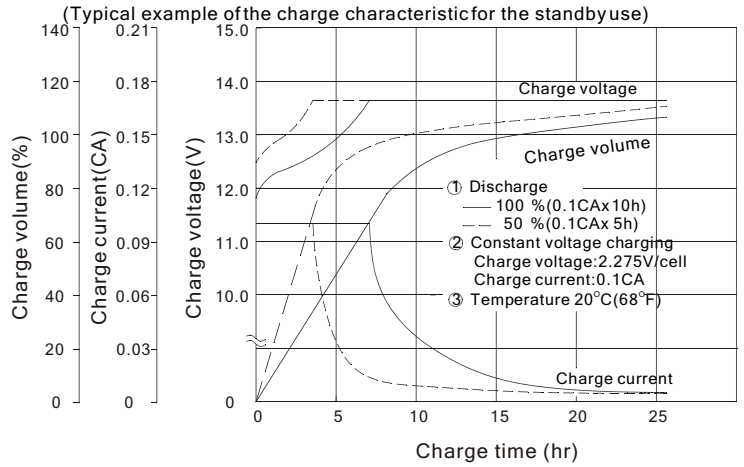
PERFORMANCE SPECIFICATIONS

Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
10 Hour rate F.V.(1.75V/cell) (0.5A to10.50volts)	5.00A.H.
15 Min rate F.V.(1.30V/cell) (132W to 7.80volts)	2.75A.H.
Approximate Weight	1860g(4.10lbs.)
Terminal	
Standard.....	Type T1
Optional.....	Type T2
Internal Resistance (Fully Charged Battery).....	<27mΩ
Maximum Discharge Current For 5 sec.(A).....	75A
Maximum Charge Current(A).....	1.50A
Ambient Temperature	
Charge.....	0°C(32°F)~40°C(104°F)
Discharge.....	-20°C(-4°F)~50°C(122°F)
Storage.....	-20°C(-4°F)~40°C(104°F)
Vibration test:	
Frequency: 16.7HZ	
Amplitude: 4mm	
Vibrate the battery horizontally or vertically for 60 minutes. The battery have no abnormality.	
Case.....	ABS
Dimension(mm/inch)	
Length ±1.5mm.....	90/3.54
Width ±1.5mm.....	70/2.76
Container Height ±1.5mm.....	102/4.02
Total Height ±2mm.....	106/4.17
Application.....	UPS, Fishing Lights, Emergency Lights, Toy-Cars.

HR5.5-12 Battery discharge characteristics (25°C /77°F)



Battery Charging Characteristics

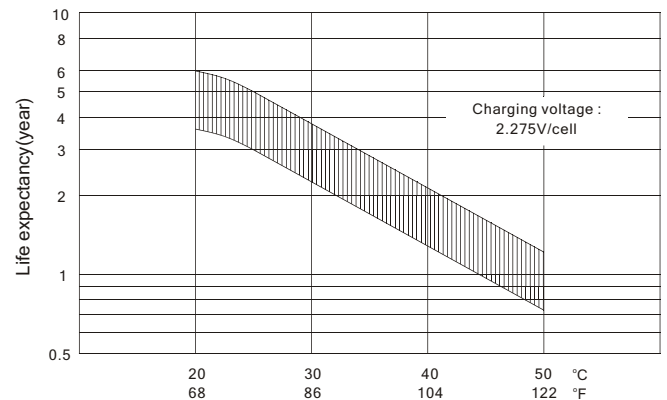


Charging Procedure

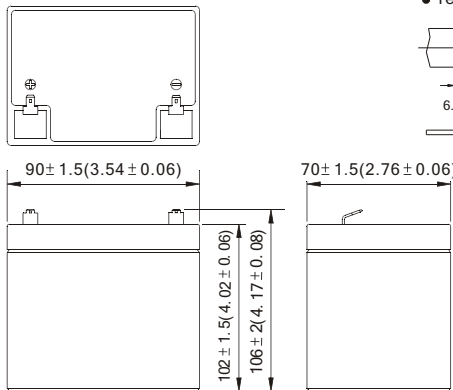
Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/C /cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

*Temperature compensation of charging voltage is not needed, when using the batteries within 5°C to 35°C range.

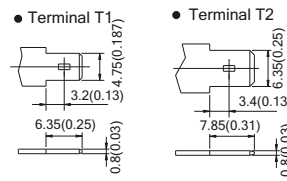
Effect of Temperature on Long Term Float Life



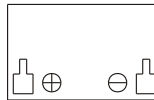
OUTER DIMENSIONS mm(inch)



TERMINAL TYPE mm(inch)



TERMINAL POSITION



Battery temperature Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time							
	5Min	10Min	15Min	20Min	30Min	40Min	50Min	60Min
	Battery output power(W)							
10.80V	225.5	154.0	111.5	95.2	72.4	55.0	46.0	40.5
10.20V	269.5	171.9	121.3	100.8	75.4	57.1	47.4	41.4
9.60V	288.8	180.8	126.8	104.5	77.0	58.4	48.4	42.1
9.00V	297.0	184.3	129.6	106.2	78.0	59.2	49.0	42.5
8.40V	302.5	186.8	131.0	107.1	78.5	59.5	49.4	42.8
7.80V	305.3	188.4	132.0	107.8	79.0	59.8	49.6	42.9



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