



Valve Regulated Lead-Acid Rechargeable Battery



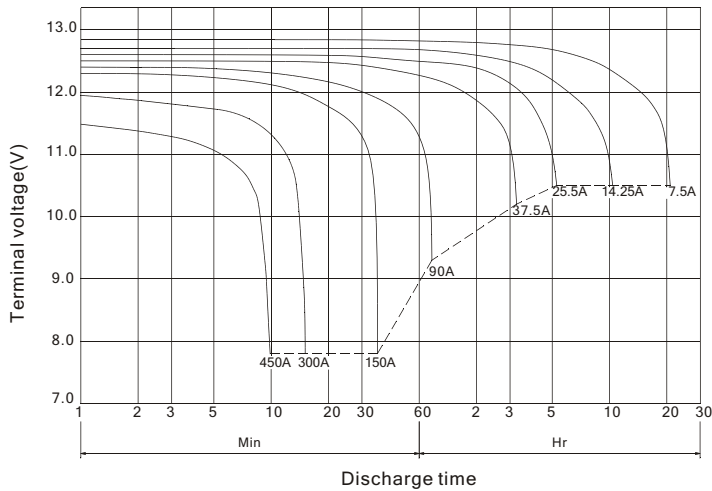
BPL150-12

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

PERFORMANCE SPECIFICATIONS

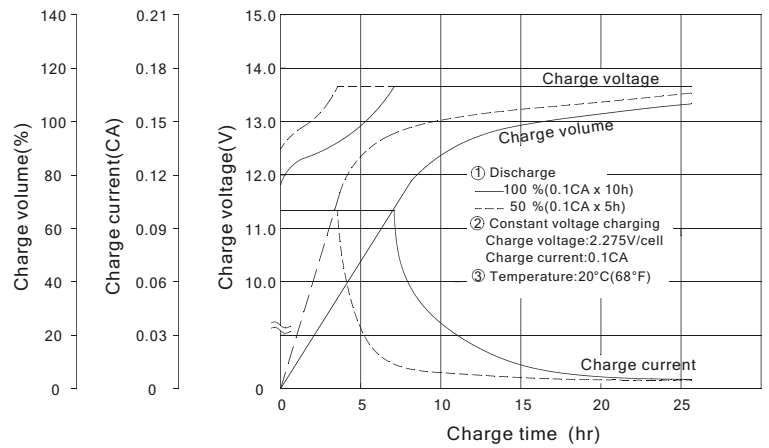
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 Hour rate F.V.(1.75V/cell) (7.50A to 10.50volts)	150.0A.H.
10 Hour rate F.V.(1.75V/cell) (14.25A to 10.50volts)	142.5A.H.
5 Hour rate F.V.(1.75V/cell) (25.50A to 10.50volts)	127.5A.H.
1 Hour rate F.V.(1.55V/cell) (90.00A to 9.30volts)	90.0A.H.
Approximate Weight.....	51.8kg(114.2lbs)
Terminal	
Standard.....	Type B9
Optional.....	Type I3
Internal Resistance (Fully Charged Battery).....	<3m Ω
Maximum Discharge Current For 5 sec.(A).....	1500A
Maximum Charge Current(A).....	45A
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)
Case.....	ABS
Dimension(mm/inch)	
Length ±2mm.....	483/19.02
Width ±2mm.....	171/6.73
Container Height ±2mm.....	240/9.45
Total Height ±2mm.....	240/9.45
Application.....	UPS, Telecom.

BPL150-12 Battery discharge characteristics (25°C/77°F)



Battery Charging Characteristics

(Typical example of the charge characteristics for the standby use)



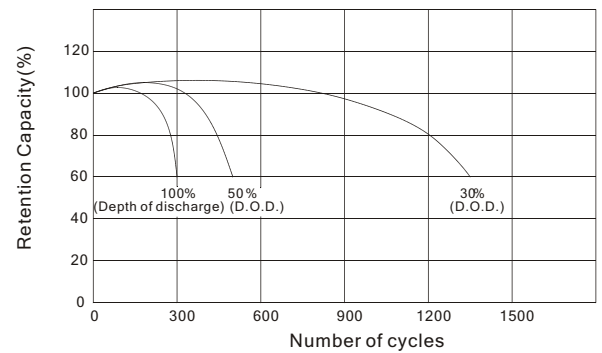
Charging Procedure

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.

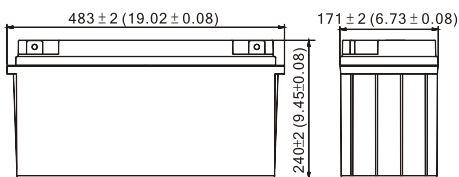
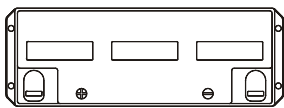
Battery Life Characteristics of Cyclic Use

Testing Conditions : Discharge Current : 0.25C Amp (F.V. 1.7V/cell)
 Charging Current : 0.1C Amp
 Charging Volume : 120% OF Discharge Capacity
 Ambient Temperature : 20 °C (68 °F)



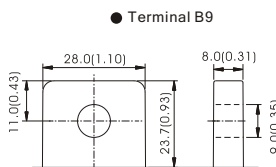
OUTER DIMENSIONS

mm(inch)

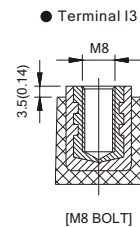


TERMINAL TYPE

mm(inch)



(M8 BOLT & NUT)



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

Final Voltage	Discharge time									
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr	
1.80V	4361	3540	2975	1791	1036	436.2	302.3	168.5	88.2	
1.75V	4827	3773	3113	1858	1068	445.4	306.9	171.0	90.0	
1.70V	5139	3974	3208	1899	1087	450.0	308.1	171.9	90.5	
1.65V	5372	4067	3282	1927	1101	452.3	309.2	172.4	90.7	
1.60V	5567	4150	3348	1945	1112	454.6	309.2	172.4	90.7	

TERMINAL POSITION



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