



Valve Regulated Lead-Acid Rechargeable Battery



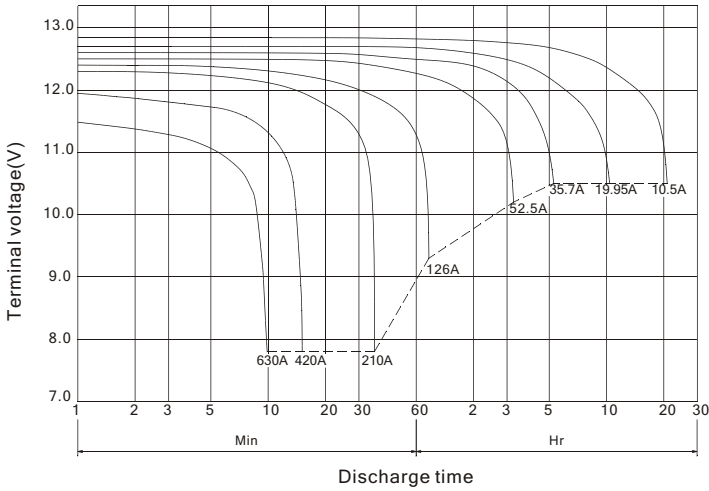
BPL210-12

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

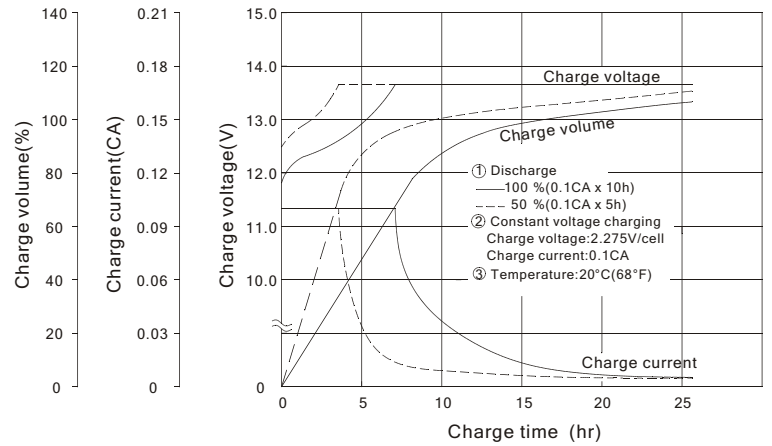
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 Hour rate F.V.(1.75V/cell) (10.50A to 10.50volts)	210.0A.H.
10 Hour rate F.V.(1.75V/cell) (19.95A to 10.50volts)	199.5A.H.
5 Hour rate F.V.(1.75V/cell) (35.70A to 10.50volts)	178.5A.H.
1 Hour rate F.V.(1.55V/cell) (126.0A to 9.30volts)	126.0A.H.
Approximate Weight.....	73.2kg(161.4lbs)
Terminal	
Standard.....	Type B9
Optional.....	Type I3
Internal Resistance (Fully Charged Battery).....	<2.5m Ω
Maximum Discharge Current For 5 sec.(A).....	21 00A
Maximum Charge Current(A).....	63A
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.....	522/20.55
Width ±2mm.....	240/9.45
Container Height ±2mm.....	216/8.50
Total Height ±2mm.....	240/9.45
Application.....	UPS,Telecom.

BPL210-12 Battery discharge characteristics (25°C/77°F)



Battery Charging Characteristics

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



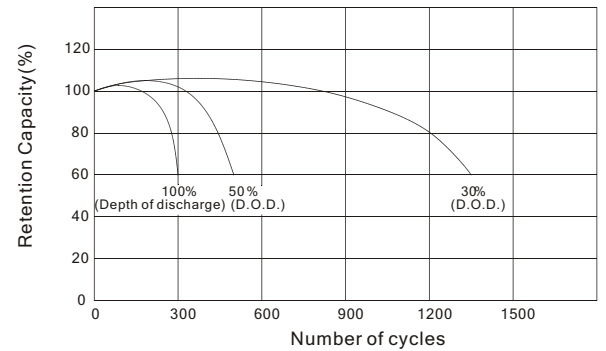
Charging Procedure

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.

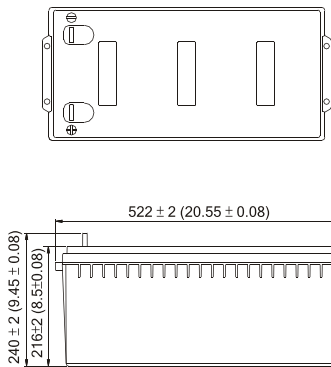
Battery Life Characteristics of Cyclic Use

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)



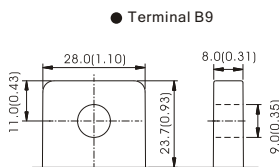
OUTER DIMENSIONS

mm(inch)

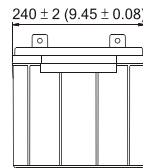


TERMINAL TYPE

mm(inch)



(M8 BOLT & NUT)



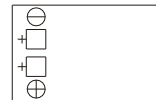
Terminal I3

(M8 BOLT)

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

Final Voltage	Discharge time									
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr	
1.80V	6105	4956	4164	2507	1451	610.6	423.2	235.8	123.4	
1.75V	6758	5282	4358	2601	1496	623.5	429.7	239.4	126.0	
1.70V	7194	5563	4491	2659	1522	630.0	431.3	240.7	126.0	
1.65V	7521	5694	4594	2698	1541	633.2	432.9	241.3	127.0	
1.60V	7794	5809	4688	2724	1557	636.5	432.9	241.3	127.0	

TERMINAL POSITION



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