



Valve Regulated Lead-Acid Rechargeable Battery



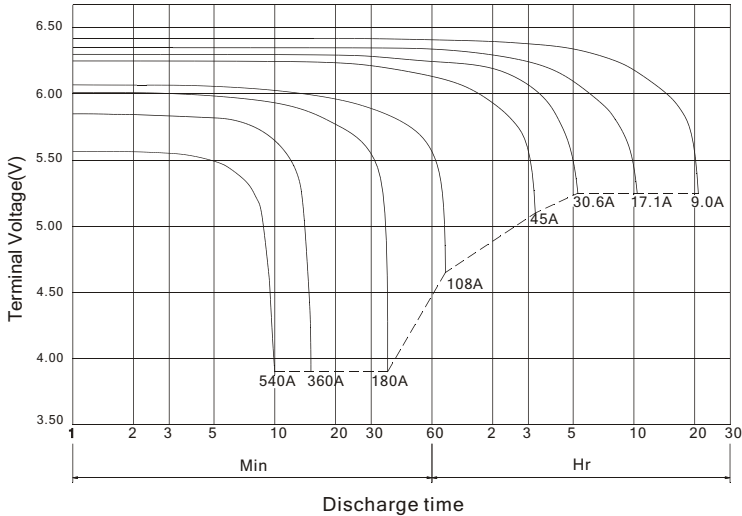
BP180-6

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 be used in any direction and position without leakage.

PERFORMANCE SPECIFICATIONS

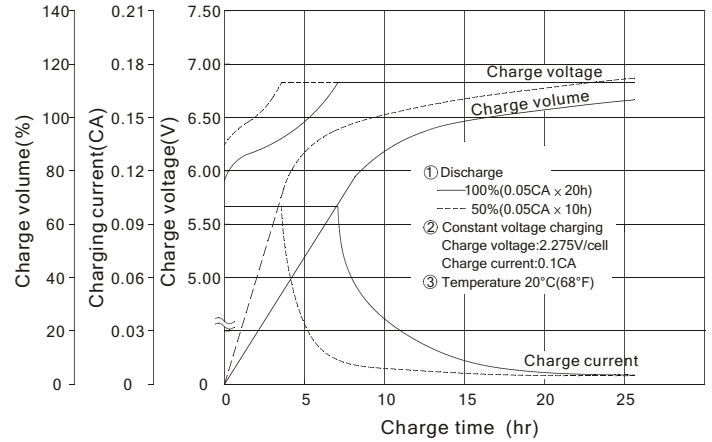
Nominal Voltage(V).....	6 volts(3cells in series)
Nominal Capacity(Ah)	
20 hour rate F.V.(1.75V/cell) (9.00A to 5.25volts)	180Ah
10 hour rate F.V.(1.75V/cell) (17.1A to 5.25volts)	171Ah
5 hour rate F.V.(1.75V/cell) (30.6A to 5.25volts)	153Ah
1 hour rate F.V.(1.55V/cell) (108A to 4.65volts).....	108Ah
Approximate Weight.....	28.8Kg(63.5lbs.)
Terminal	
Standard.....	Type B9
Optional.....	Type I3
Internal Resistance (Fully Charged Battery).....	<2.5mΩ
Maximum Discharge Current For 5 sec.(A).....	1800A
Maximum Charge Current(A).....	54A
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 ±2mm.....	260/10.24
Width ±2mm.....	171/6.73
Container Height ±2mm.....	220/8.66
Total Height ±2mm.....	244/9.61
Application.....	UPS, Telecom

BP180-6 Battery discharge characteristics (25°C/77°F)



Battery Charging Characteristics

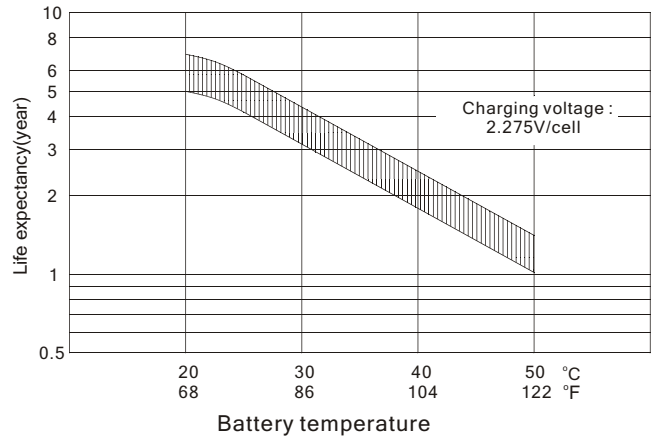
(Typical example of the charge characteristic for the standby use)



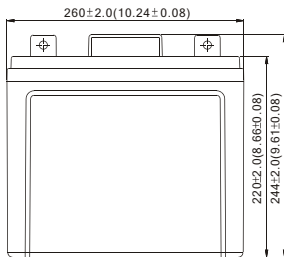
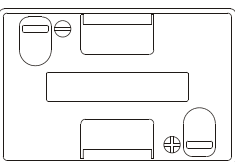
Charging Procedure

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	

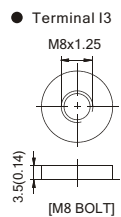
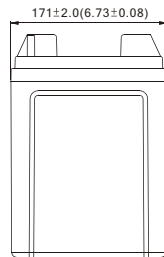
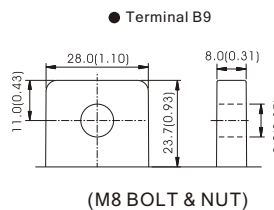
Effect of temperature on long term float life



OUTER DIMENSIONS



TERMINAL TYPE

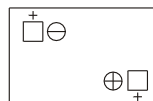


Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time								
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr
	Battery output power(W)								
5.40V	2382	2010	1732	1165	655.1	262.3	180.9	101.1	53.33
5.25V	2700	2100	1812	1209	674.6	267.6	183.6	102.6	54.00
5.10V	2979	2291	1868	1237	686.8	270.0	184.6	103.1	54.27
4.95V	3113	2346	1911	1254	695.1	271.9	185.3	103.4	54.41
4.80V	3216	2393	1949	1267	702.0	273.5	185.8	103.4	54.41

* Discharge power over 2700W/Discharge current over 500 Amps is not recommended.

TERMINAL POSITION



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