



Valve Regulated Lead-Acid Rechargeable Battery

BP7-6

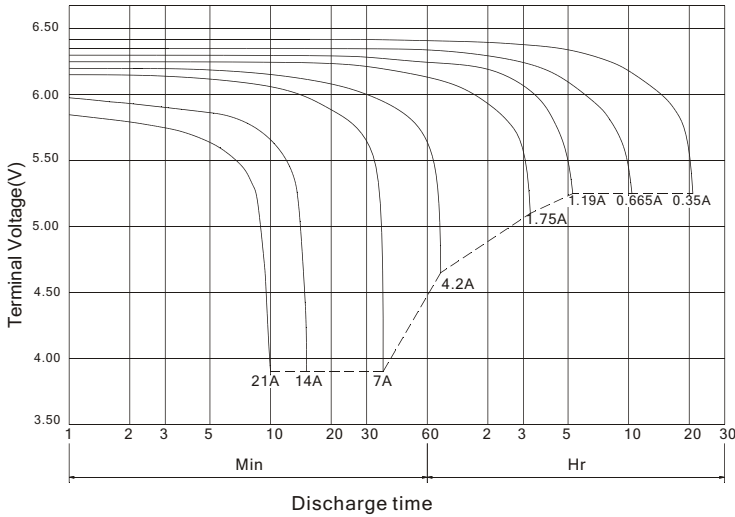


The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can be used in any direction and position (but upside-down should be avoided) without leakage.

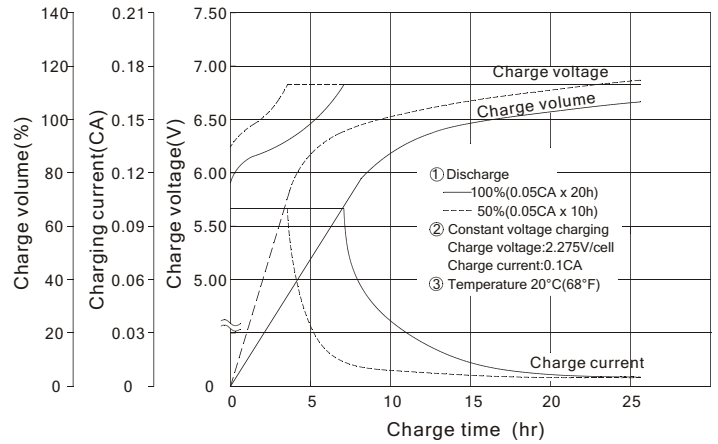
PERFORMANCE SPECIFICATIONS

Nominal Voltage(V).....	6 volts(3cells in series)
Nominal Capacity(Ah)	
20 hour rate F.V.(1.75V/cell) (350mA to 5.25volts).....	7.00 Ah
10 hour rate F.V.(1.75V/cell) (665mA to 5.25volts)	6.65 Ah
5 hour rate F.V.(1.75V/cell) (1190mA to 5.25volts)	5.95 Ah
1 hour rate F.V.(1.55V/cell) (4200mA to 4.65volts).....	4.20 Ah
Approximate Weight.....	1260g(2.78lbs.)
Terminal	
Standard.....	Type T1
Optional.....	Type T2
Internal Resistance (Fully Charged Battery).....	≤16m Ω
Maximum Discharge Current For 5 sec.(A).....	105A
Maximum Charge Current(A).....	2.1A
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: UL 94-HB
Dimension(mm/inch)	
Length ±1.5mm.....	151/5.94
Width ±1.5mm.....	34/1.34
Container Height ±1.5mm.....	94/3.70
Total Height ±2mm.....	100/3.94
Application.....	Electronic Toy-Cars.Emergency Lights. Electronic Torch. UPS. Fan.

BP7-6 Battery discharge characteristics (25°C/77°F)

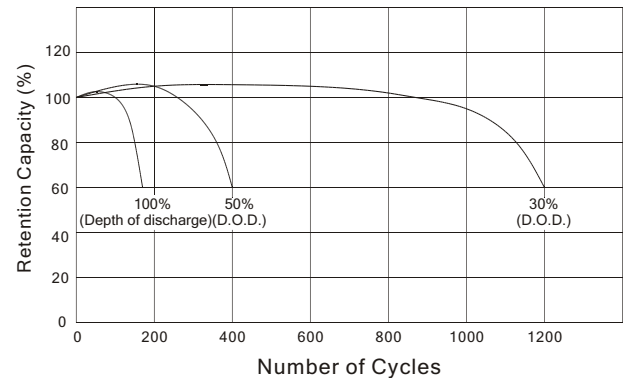


Battery Charging Characteristics (Typical example of the charge characteristic for the standby use)



Battery Life Characteristics of Cyclic Use

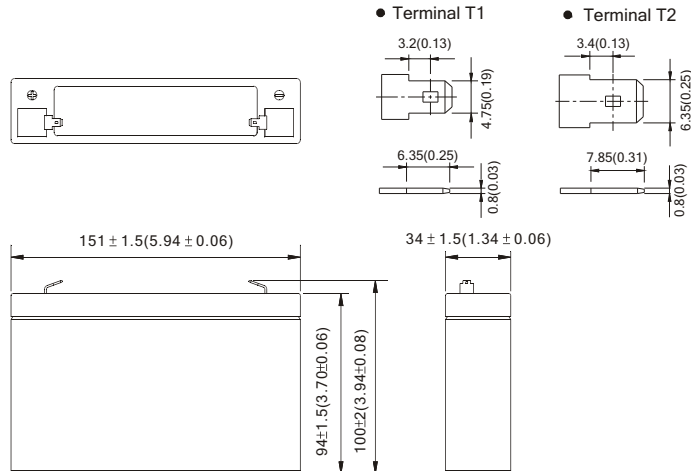
Testing Conditions : Discharge Current : 0.25C Amp (F.V. 1.7V/cell)
 Charging Current : 0.1C Amp
 Charging Volume : 120% OF Discharge Capacity
 Ambient Temperature : 20 °C (68 °F)



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	

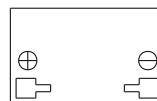
OUTER DIMENSIONS



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	126.5	93.2	74.7	44.4	25.47	10.20	7.03	3.93	2.06
5.25V	146.5	100.9	78.1	46.1	26.24	10.41	7.14	3.99	2.10
5.10V	155.6	104.5	80.5	47.2	26.71	10.50	7.18	4.01	2.11
4.95V	162.6	107.1	82.4	47.8	27.03	10.57	7.20	4.02	2.12
4.80V	168.0	109.2	84.0	48.3	27.30	10.64	7.23	4.02	2.12

TERMINAL POSITION



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