



Valve Regulated Lead-Acid Rechargeable Battery



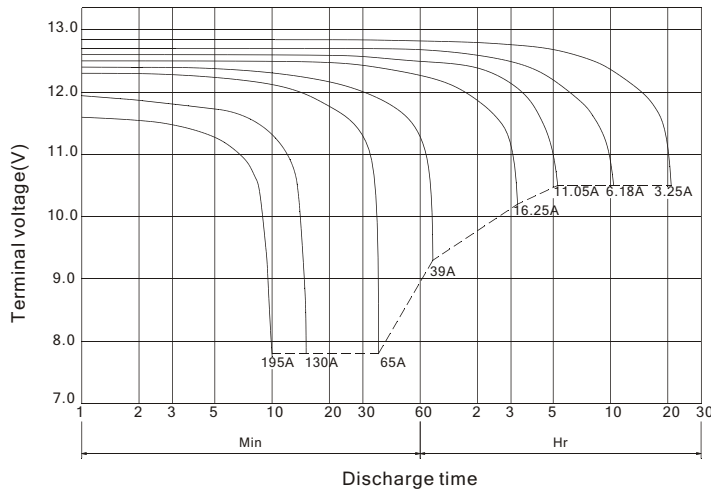
BP65-12

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

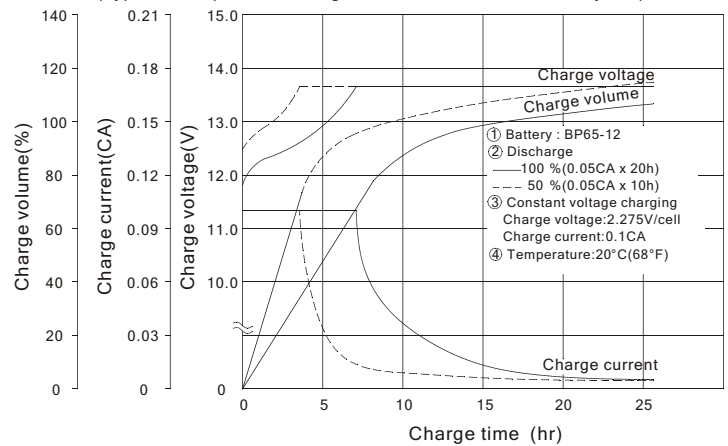
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(Ah)	
20 Hour rate F.V.(1.75V/cell) (3.25A to 10.50volts)	65.0Ah
10 Hour rate F.V.(1.75V/cell) (6.18A to 10.50volts)	61.8Ah
5 Hour rate F.V.(1.75V/cell) (11.05A to 10.50volts).....	55.3Ah
1 Hour rate F.V.(1.55V/cell) (39.0A to 9.30volts).....	39.0Ah
Approximate Weight.....	22.4kg(49.38lbs.)
Terminal	
Standard.....	Type B5
Optional.....	Type I2
Terminal Hardware Initial Torque.....	5.5 Nm $\pm$ 5%
Internal Resistance (Fully Charged Battery).....	$\leq$ 5m Ω
Maximum Discharge Current For 5 sec.(A).....	650A
Maximum Charge Current(A).....	19.5A
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 $\pm$ 2mm.....	350/13.78
Width $\pm$ 2mm.....	166/6.54
Container Height $\pm$ 2mm.....	174/6.85
Total Height $\pm$ 2mm.....	174/6.85
Application.....	UPS, TELECOM, Golf-Carts.

BP65-12 Battery discharge characteristics (25°C/77°F)



Battery Charging Characteristics

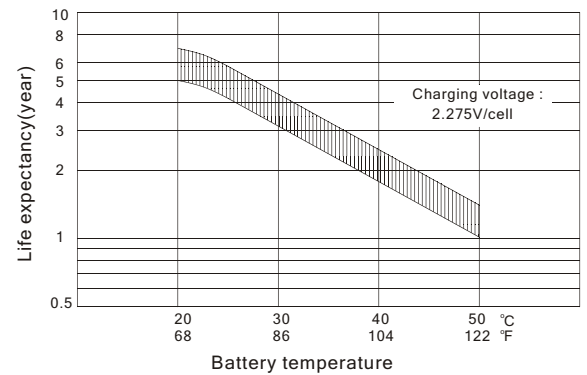
(Typical example of the charge characteristics for the standby use)



Charging Procedure

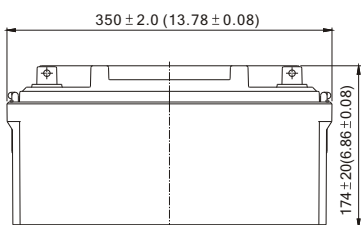
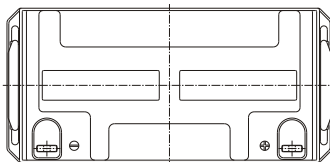
Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (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	

Effect of Temperature on Long Term Float Life



OUTER DIMENSIONS

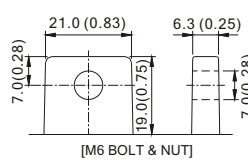
mm(inch)



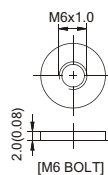
TERMINAL TYPE

mm(inch)

Terminal B5



Terminal I2



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)									
10.80V	2115	1661	1345	825	509.5	204.0	140.7	78.62	41.37
10.50V	2448	1799	1407	856	524.7	208.1	142.8	79.80	42.00
10.20V	2601	1864	1450	876	534.2	210.0	143.6	80.20	42.21
9.90V	2718	1909	1484	888	540.6	211.5	144.1	80.44	42.34
9.60V	2808	1947	1513	897	546.0	212.7	144.5	80.44	42.34

TERMINAL POSITION



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