



# Valve Regulated Lead-Acid Rechargeable Battery

## BP200-12

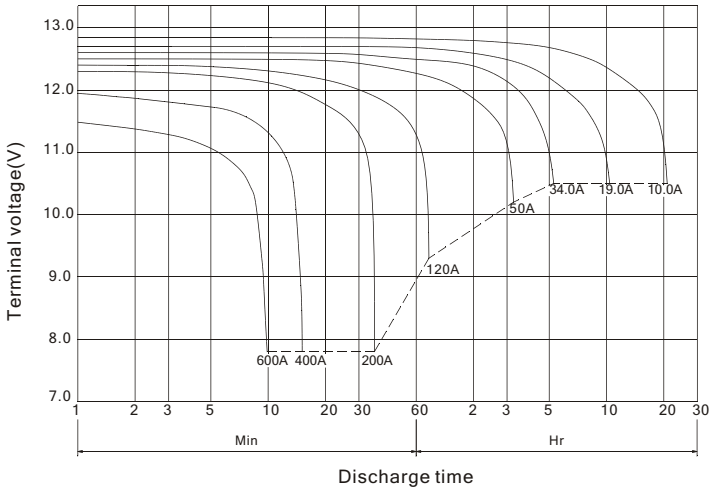


The battery is constructed by plates, separators, safety valves, flame arrestor and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can be used in any direction and position without leakage.

### PERFORMANCE SPECIFICATIONS

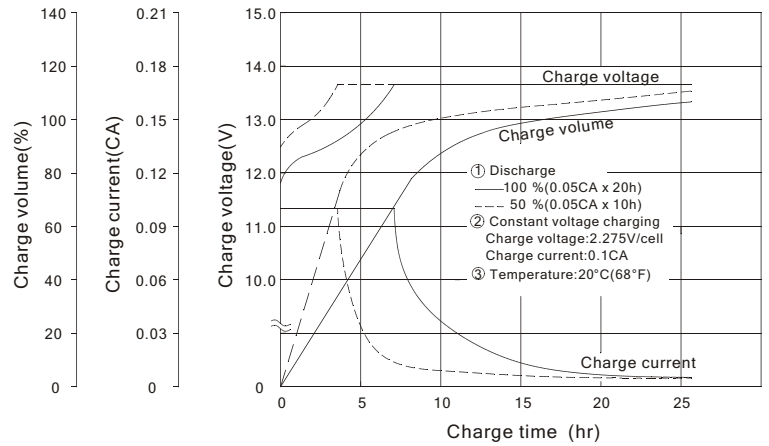
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 Hour rate F.V.(1.75V/cell) (10.0A to 10.50volts) .....	200.0A.H.
10 Hour rate F.V.(1.75V/cell) (19.0A to 10.50volts) .....	190.0A.H.
5 Hour rate F.V.(1.75V/cell) (34.0A to 10.50volts) .....	170.0A.H.
1 Hour rate F.V.(1.55V/cell) (120.0A to 9.60volts) .....	120.0A.H.
Approximate Weight.....	61.5kg(135.6lbs)
Terminal	
Standard.....	Type B9
Optional.....	Type I3
Internal Resistance (Fully Charged Battery).....	<2.5m Ω
Maximum Discharge Current For 5 sec.(A).....	2000A
Maximum Charge Current(A).....	60A
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.....	202/7.95
Container Height ±2mm.....	216/8.50
Total Height   ±2mm.....	240/9.45
Application.....	UPS,Telecom.

## BP200-12 Battery discharge characteristics (25°C/77°F)



## Battery Charging Characteristics

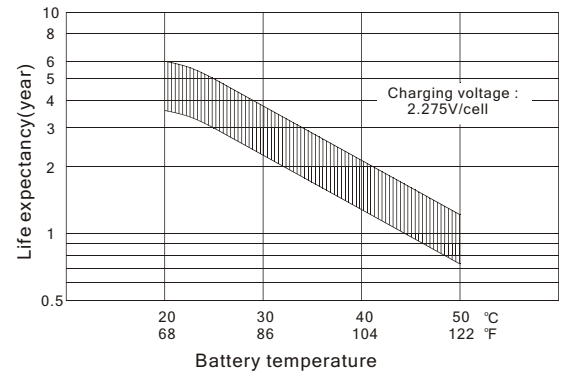
(Typical example of the charge characteristics for the standby use)



### Charging Procedure

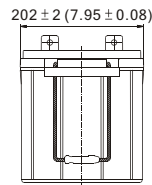
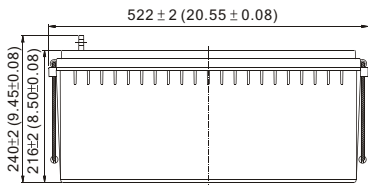
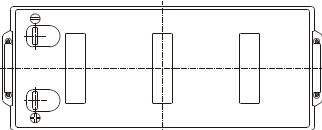
Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging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



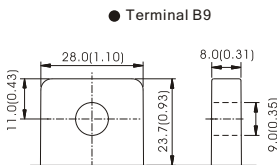
### OUTER DIMENSIONS

mm(inch)

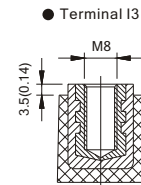


### TERMINAL TYPE

mm(inch)



(M8 BOLT & NUT)

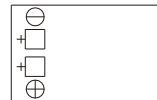


[M8 BOLT]

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

Final Voltage	Discharge time								
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr
1.80V	5345	4478	3724	2537	1456	582.8	402.0	224.6	118.2
1.75V	6186	4851	3896	2634	1499	594.6	408.0	228.0	120.0
1.70V	6572	5026	4016	2694	1526	600.0	410.3	229.2	120.6
1.65V	6868	5146	4108	2731	1545	604.3	411.7	229.7	120.9
1.60V	7096	5250	4190	2760	1560	607.7	412.8	229.7	120.9

### TERMINAL POSITION



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