



Valve Regulated Lead-Acid Rechargeable Battery

EP26-12

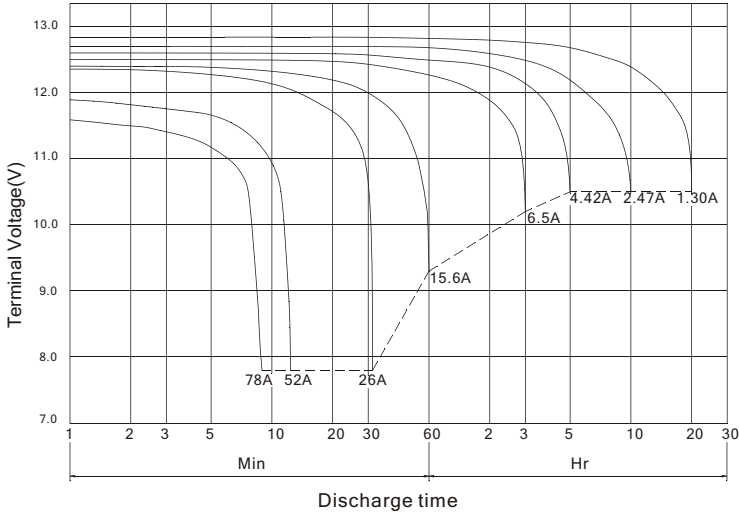


The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can be used in any direction and position without leakage.

PERFORMANCE SPECIFICATIONS

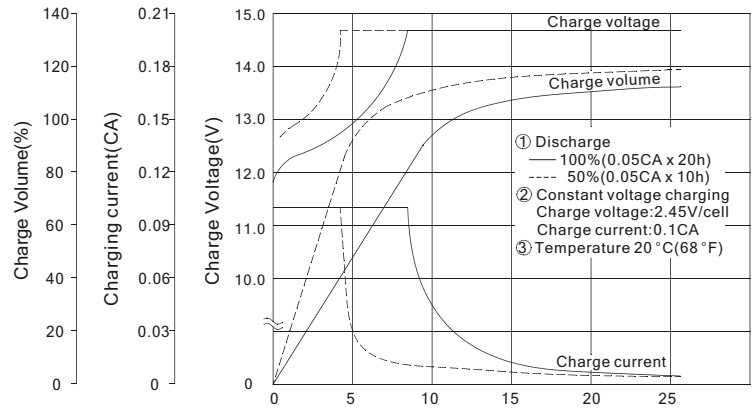
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 Hour rate F.V.(1.75V/cell) (1300mA to 10.5volts)	26.0A.H.
10 Hour rate F.V.(1.75V/cell) (2470mA to 10.5volts).....	24.7A.H.
5 Hour rate F.V.(1.75V/cell) (4420mA to 10.5volts)	22.1A.H.
30 Min rate F.V.(1.30V/cell) (26000mA to 7.80volts).....	13.0A.H.
Approximate Weight.....	9600g(21.17lbs.)
Terminal	
Standard.....	Type B1
Optional.....	Type T2,I1
Internal Resistance (Fully Charged Battery).....	<10m Ω
Maximum Discharge Current For 5 sec.(A).....	390A
Maximum Charge Current(A).....	7.8A
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 ±1.5mm.....	175/6.89
Width ±1.5mm.....	166/6.54
Container Height ±1.5mm.....	125/4.92
Total Height ±1.5mm.....	125/4.92
Application.....	Wheelchairs, Lawn Mowers, Electric Vehicles, Golf-Carts.

EP26-12 Battery discharge characteristics (25 °C/77 °F)



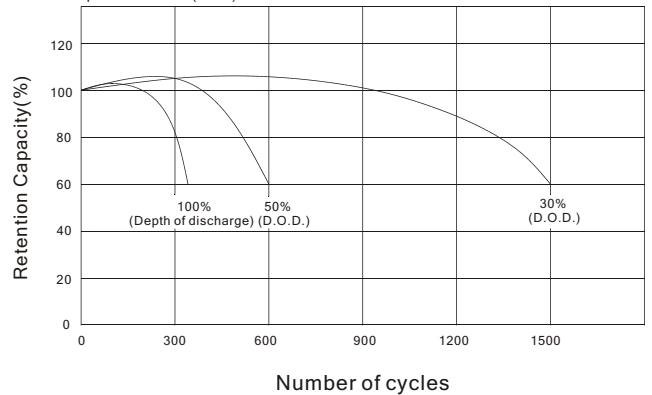
Battery Charging Characteristics

(Typical example of the charge characteristics for the cycle 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)

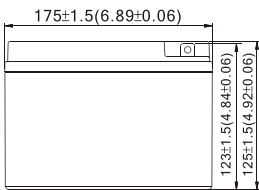
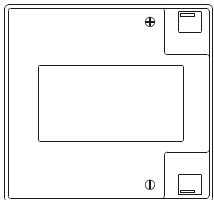


Charging Procedure

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					16	10	

*Temperature compensation of charging voltage is not needed, when using the batteries within 5 °C to 35 °C range.

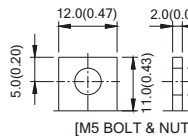
OUTER DIMENSIONS



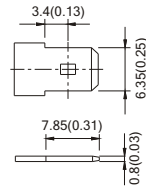
TERMINAL TYPE

mm (inch)

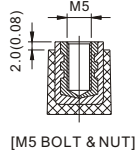
• Terminal B1



• Terminal T2



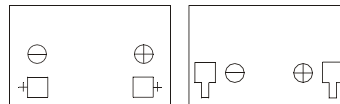
• Terminal I1



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	847	636.6	515.5	310.1	179.8	75.8	52.4	29.19	15.26
10.50V	981	689.7	539.7	322.0	185.0	77.3	53.1	29.64	15.60
10.20V	1040	714.6	556.0	329.1	188.3	78.0	53.5	29.79	15.67
9.90V	1088	731.7	569.0	333.9	190.9	78.7	53.9	29.86	15.71
9.60V	1122	746.2	580.2	337.3	192.8	79.1	53.9	29.86	15.71

TERMINAL POSITION



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