

MSB



MS12-12

Maintenance-Free Rechargeable Battery

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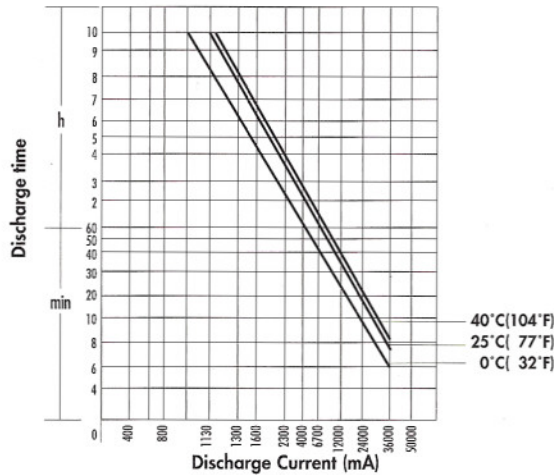
Valve-Regulated Lead-Acid Battery (Lead-Calcium)

MS 12-12 12V, 12 Ah

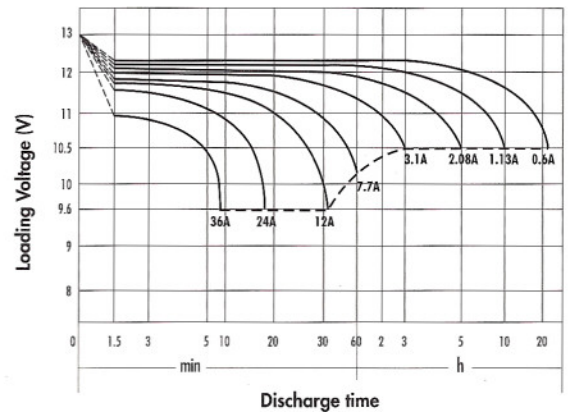
Physical Specification	
Nominal Voltage Nominal Capacity (20HR)	
12V 12AH	
Dimension	Length
	Width
	Container Height
	Total Height (with Terminal)
151 ± 1mm (5.95 inches) 98 ± 1mm (3.86 inches) 95 ± 1mm (3.74 inches) 101 ± 1mm (3.97 inches)	
Weight	
Approx 4.2kg (9.27lbs)	
Standard Terminal	
T2(standard)	

Electrical Specification			
Rated Capacity	20 hour rate (0.60 A)	12AH	Cycle
	10 hour rate (1.13 A)	11.3AH	
	5 hour rate (2.08 A)	10.4AH	
	1 hour rate (7.7 A)	7.7AH	
	15minute rate (18.5 A)	4.6AH	
Capacity affected by Temperature	40°C (104°F)	103%	Standby
	25°C (77°F)	100%	
	0°C (32°F)	86%	
Internal Resistance	Fully charged battery (25°C, 77°F) 19m Ω		Initial Charging Current less than 3.6A. Voltage 14.5V - 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C

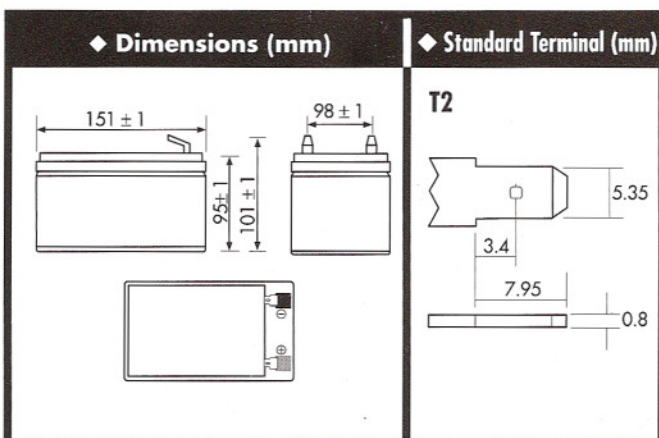
◆ Discharging Current & Discharge Duration Time



◆ Discharge Characteristics (25°C, 77°F)



Constant Power Discharge Characteristic Table: Watts (25°C, 77°F) M: minute								
F.V	TIME	0.5M	1.0M	2.0M	5.0M	10.0M	15.0M	30.0M
9.6V		900	780	672	514	326	257	180
10.2V		870	720	650	500	300	236	175
10.8V		850	690	530	480	289	221	171



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