

MSB



MS 12-7.6

Maintenance-Free Rechargeable Battery

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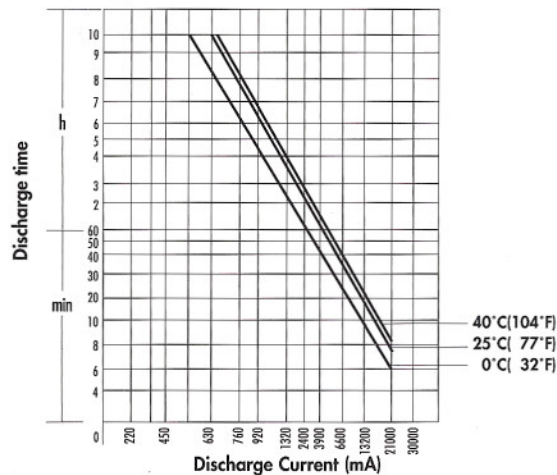
Valve-Regulated Lead-Acid Battery (Lead-Calcium)

MS 12-7.6 12V, 7.6 Ah

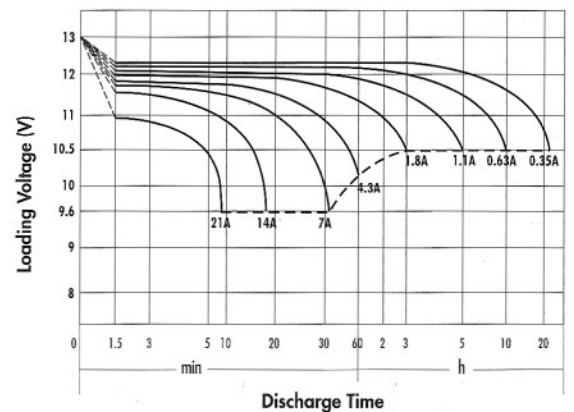
Physical Specification	
Nominal Voltage Nominal Capacity (20HR)	
12V 7.6AH	
Dimension	Length
	Width
	Container Height
	Total Height (with terminal)
151 ± 1mm (5.95 inches) 65 ± 1mm (2.56 inches) 95 ± 1mm (3.74 inches) 101 ± 1mm (3.97 inches)	
Weight	
Approx 2.80kg (6.17lbs)	
Standard Terminal	
T1 (Standard) / T2 (Optional)	

Electrical Specification			
Rated Capacity	20 hour rate (380mA)	7.6AH	Cycle
	10 hour rate (630mA)	6.3AH	
	5 hour rate (1.10A)	5.5AH	
	1 hour rate (4.30 A)	4.3AH	
Capacity affected by Temperature	15minute rate (10.5 A)	2.6AH	Standby
	40°C (104°F)	103%	
	25°C (77°F)	100%	
	0°C (32°F)	86%	
Internal Resistance	Fully charged battery (25°C, 77°F) 24m Ω		Initial Charging Current less than 2.1A. Voltage 14.5V - 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
		Constant-Voltage Charge	No limit on Initial Charging Current Voltage 13.5V - 13.8V at 25°C (77°F) Temp. Coefficient -20mV/°C

◆ Discharging Current & Discharge Duration Time



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



Constant Power Discharge Characteristic Table: Watt(25°, 77°F)								
		M: minute						
F.V	TIME	0.5M	1.0M	2.0M	5.0M	10.0M	15.0M	30.0M
9.6V		636	549	490	350	238	187	105
10.2V		546	469	423	313	203	164	101.5
10.8V		399	343	311	248	185	149	98

