



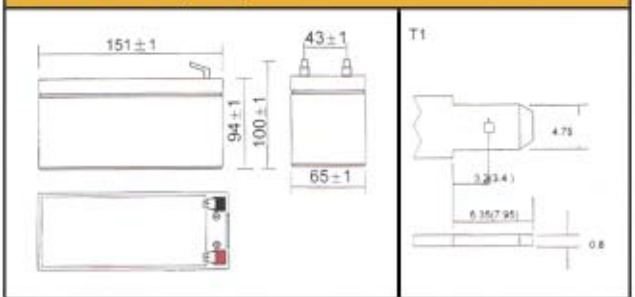
valve regulated
sealed lead acid type
rechargeable battery

⊕⊖ sunbattery®

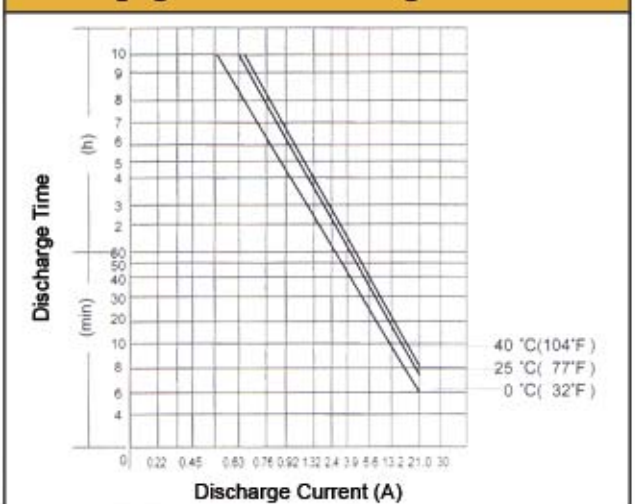
SB 12-7.0 (12V. 7.0AH)



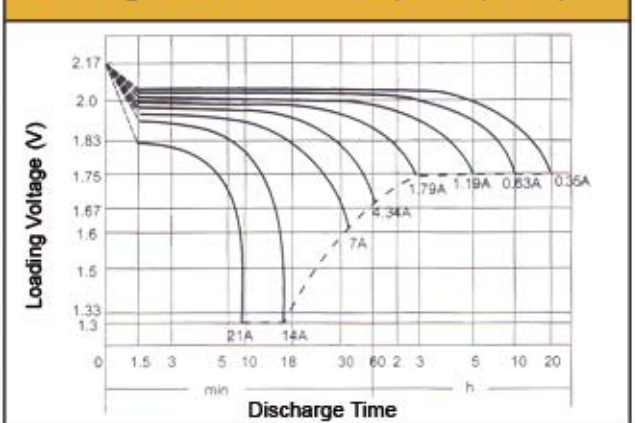
Dimension (mm)



Discharging Current & Discharge Duration Time



Discharge Characteristics (25°C, 77°F)



Physical Specification

Nominal Voltage		12V
Nominal Capacity (20HR)		7.0AH
Dimension	Length	151 ± 1mm (5.95 inches)
	Width	65 ± 1mm (2.56 inches)
	Container Height	94 ± 1mm (3.70 inches)
	Total Height (with Terminal)	100 ± 1mm (3.94 inches)
Weight		Approx 2.35kg (5.2lbs)
Standart Terminal		T1 (standard)

Electrical Specification

Rated Capacity	20 hour rate (350 mA)	7.0AH	Constant-Voltage Charge	Cycle	Initial Charging Current less than 2.1A. Voltage 14.4 V- 15.0V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (630 mA)	6.3AH			
	5 hour rate (1.19A)	5.5AH			
	1 hour rate (4.34 A)	4.34AH			
Capacity affected by Temperature	40°C (104°F)	103%	Standby	No limit on Initial Charging Current Voltage 13.5 V~13.8 V at 25°C (77°F) Temp. Coefficient -20mV/°C	
	25°C (77°F)	100%			
	0°C (32°F)	88%			

Constant Current (Amp) and Constant Power (Watt) Discharge Table (25°C, 77°F)

Amp Watt/Cell	Time(Minute) Final Voltage	5	10	15	20	30	45	60	120	180	300	600	1200
		1.3	1.3	1.3	1.3	1.6	1.6	1.67	1.7	1.75	1.75	1.75	1.8
A / Batt		28.00	19.95	13.72	11.20	8.05	5.60	4.34	2.45	1.79	1.19	0.63	0.35
W / Cell		50.12	37.52	26.11	21.91	15.82	11.13	8.61	4.87	3.55	2.38	1.26	0.70