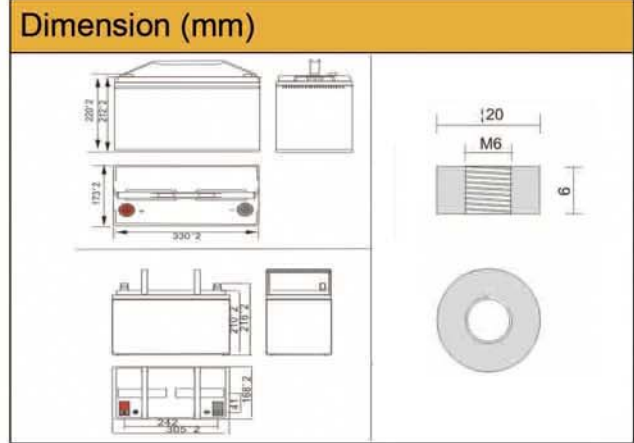




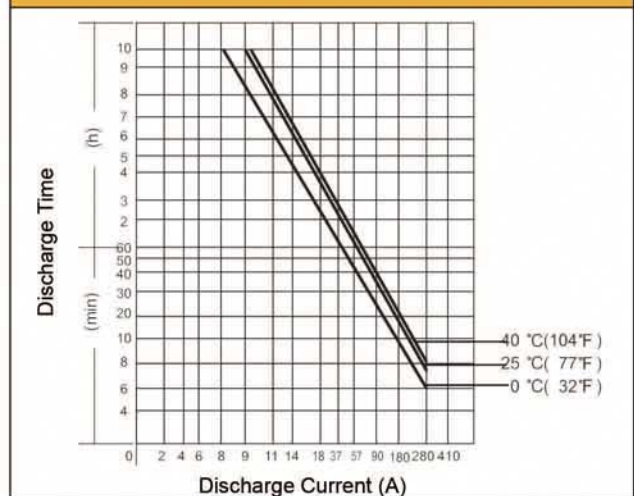
valve regulated
sealed lead acid type
rechargeable battery

sunbattery

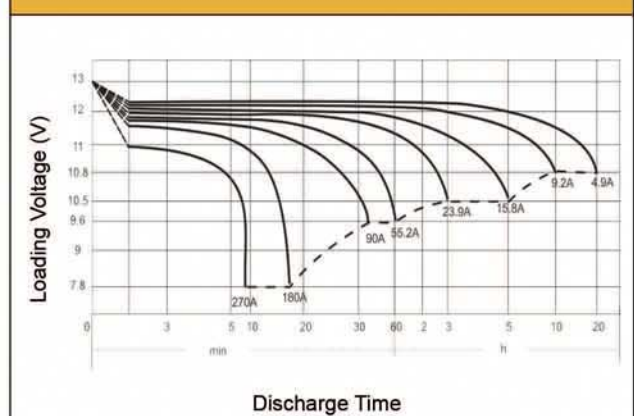
SB 12-90.0 (12V 92Ah)



Discharging Current & Discharge Duration Time



Discharge Characteristics (25° C, 77°F)



Physical Specification		
Nominal Voltage		12V
Nominal Capacity (10HR)		90AH
Dimension	Length	330 ± 3mm (12.99 inches)
	Width	173 ± 2mm (6.81 inches)
	Container Height	212 ± 2mm (8.35 inches)
	Total Height (with Cover)	220 ± 2mm (8.66 inches)
Weight		Approx 30kg (66.2lbs)
Standard Terminal		T6

Electrical Specification					
Rated Capacity	20 hour rate (4.90A)	98AH	Constant-Voltage Charge	Cycle	Initial Charging Current less than 36A. Voltage 14.4 V- 15.0 V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (9.20A)	92AH			
	5 hour rate (15.8A)	79AH			
	3 hour rate (23.9A)	71.7AH			
	1 hour rate (55.2A)	55.2AH			
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)	86%			

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

Amp Watt/Cell	Time(Minute)	10	15	20	30	45	60	120	180	240	300	360	480	600	1200
	Final Voltage	1.3	1.3	1.3	1.6	1.6	1.67	1.7	1.75	1.75	1.75	1.75	1.8	1.8	1.8
A / Batt		230.0	174.8	138.0	105.8	73.6	55.2	32.2	23.9	18.4	15.8	14.0	10.9	9.2	4.9
W / Cell		432.4	331.2	270.5	199.6	146.3	109.3	64.0	47.7	36.7	31.6	28.0	21.9	18.4	9.8