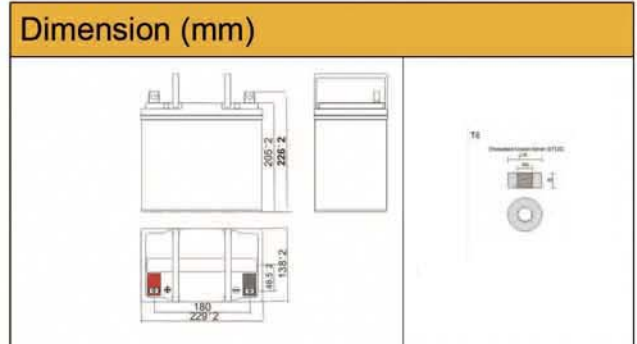




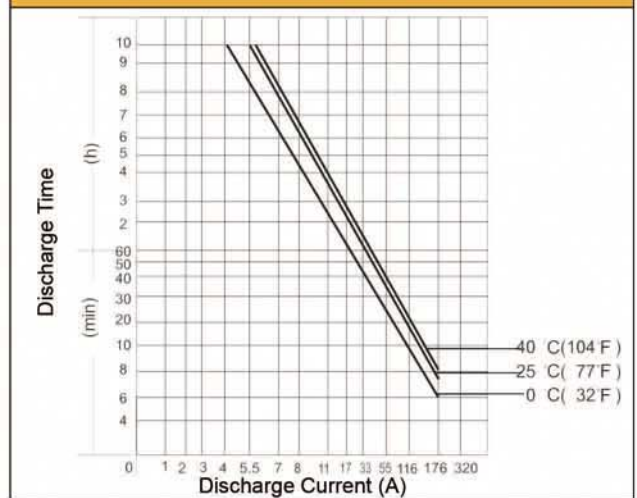
valve regulated  
sealed lead acid type  
rechargeable battery

**+** **-** sunbattery®

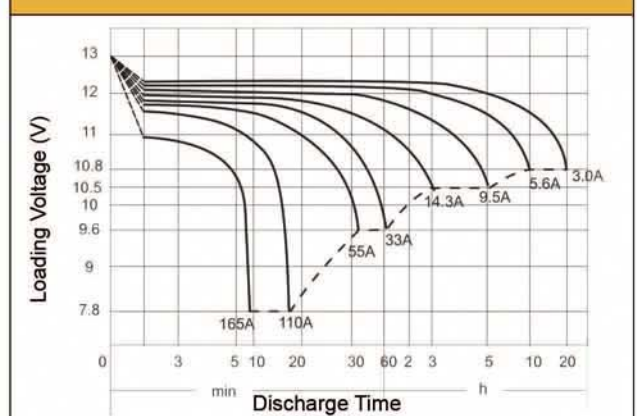
# SB 12-55.0 (12V 56Ah)



## Discharging Current & Discharge Duration Time



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



Physical Specification		
Nominal Voltage		12V
Nominal Capacity (10HR)		56AH
Dimension	Length	227 ± 2mm (8.98 inches)
	Width	137 ± 2mm (5.39 inches)
	Container Height	210 ± 2mm (8.27 inches)
	Total Height (with Cover)	216 ± 2mm (8.51 inches)
Weight		Approx 19.0kg (41.89lbs)
Standard Terminal		T6

Electrical Specification					
Rated Capacity	20 hour rate (3.00A)	60.0AH	Constant-Voltage Charge	Cycle	Initial Charging Current less than 16.5A. Voltage 14.4 V- 15.0 V at 25°C (77°F) Temp. Coefficient -30mV/°C
	10 hour rate (5.60A)	56.0AH			
	5 hour rate (9.50A)	47.5AH			
	3 hour rate (14.3A)	42.9AH			
	1 hour rate (33.0A)	33AH			
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		137.5	104.5	82.5	63.3	44.2	33.0	19.3	14.3	11.0	9.5	8.4	6.5	5.6	3.0
W / Cell		258.5	198.0	161.7	119.4	87.5	65.3	38.3	28.5	21.9	18.9	16.7	13.1	11.2	6.1