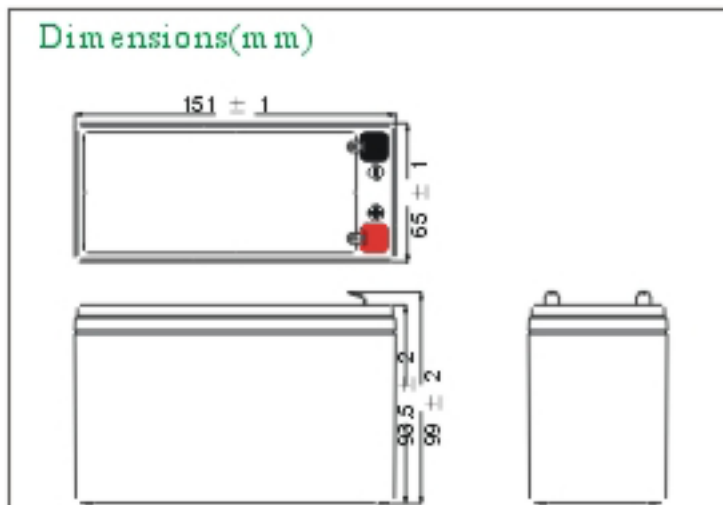


# Maintenance-Free Rechargeable Sealed Lead-Acid Battery

12V 6AH - SB2485

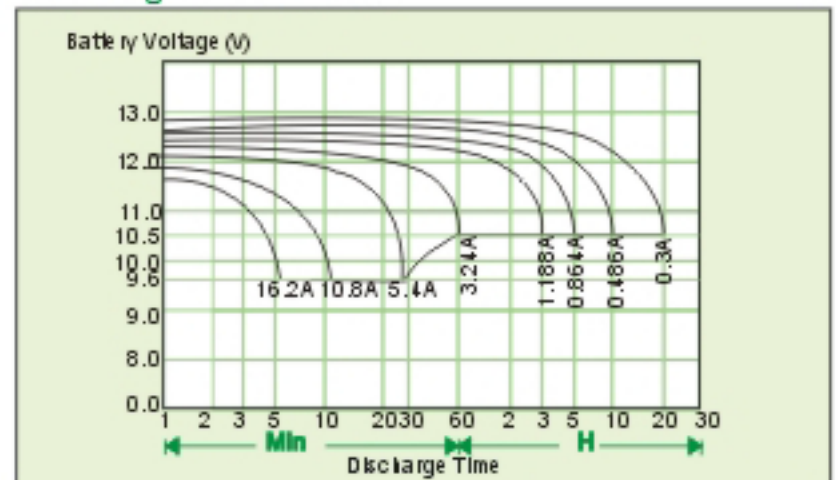
## Specification



Nominal voltage		12V
Rated Capacity (20 HR)		6AH
Approx Weight		1.9kg
Terminal	Standard	F1-TAB 187E
	Optional	
Operation Temperature		
Charge	0°C (32°F) ~ 40°C (104°F)	
Discharge	-20°C (-4°F) ~ 50°C (122°F)	
Storage	-20°C (-4°F) ~ 40°C (104°F)	

Capacity 25°C (77°F)	20 hour rate (0.3A)	6AH
	10 hour rate (0.486A)	4.86AH
	5 hour rate (0.864A)	4.32AH
	1 hour rate (3.24A)	3.24AH
Capacity affected by temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self-discharge at 25°C (77°F) (Before recharge)	Capacity after 3 month	91%
	Capacity after 6 month	82%
	Capacity after 12 month	64%
Constant voltage charge	Cycle	Initial Charging Current ≤ 1.62A 14.4V ~ 15V at 25°C (77°F)
	Standby	13.5V ~ 13.8V at 25°C (77°F)
Max discharge current for 5 se		81A

### Discharge characteristic



Note: Discharge shall be cut-off at 10.5V if discharge at  $<1C_A$  and at 9.6V if at  $\geq 1C_A$ .

It is recommended to recharge battery by constant-voltage charge immediately after use

### Constant current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77°F)

Final voltage	Time (min)										
		5	10	15	20	30	60	120	180	300	600
1.80VPC	A	23.71	14.85	11.05	9.14	6.28	3.43	1.80	1.31	0.86	0.48
	W	248.00	156.00	116.00	96.00	66.00	36.00	20.00	14.00	9.00	5.40
1.75VPC	A	24.09	15.42	11.42	9.60	6.62	3.69	1.95	1.42	0.93	0.54
	W	253.00	162.00	120.00	100.00	67.60	38.80	21.00	15.50	9.50	5.60
1.70VPC	A	24.28	15.61	11.62	9.71	6.57	3.81	2.00	1.46	0.96	0.55
	W	255.00	164.00	122.00	102.00	69.00	40.00	21.50	16.00	10.00	5.80
1.65VPC	A	24.48	15.80	11.81	9.86	6.76	4.08	2.02	1.48	1.05	0.57
	W	257.00	166.00	124.00	103.50	71.00	42.80	22.50	16.50	10.50	6.00
1.60VPC	A	24.69	16.00	12.00	10.10	6.91	4.27	2.28	1.64	1.06	0.59
	W	259.00	168.00	126.00	105.60	72.60	44.80	23.28	17.20	11.12	6.22