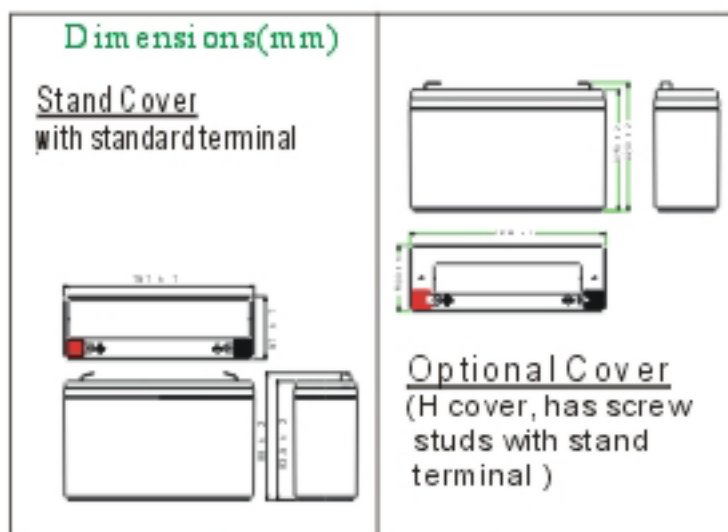


Maintenance-Free Rechargeable Sealed Lead-Acid Battery

SB2497

(6V12AH)

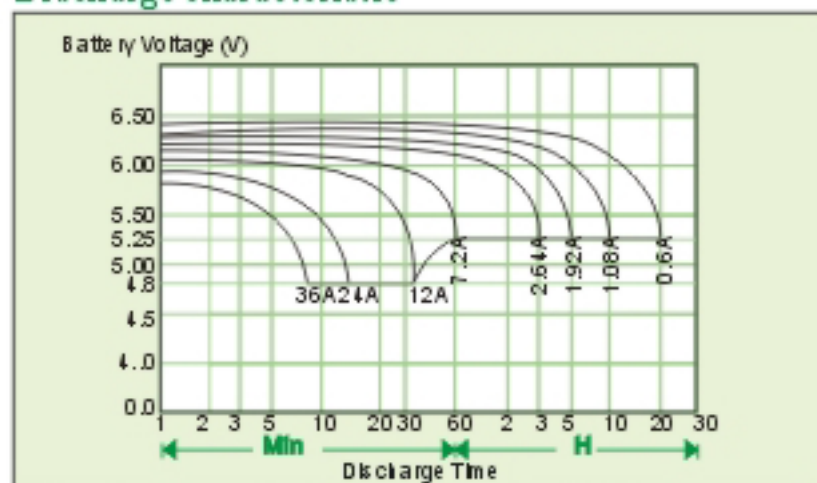
Specification



Nominal voltage		6V
Rated Capacity (20 hour rate)		12AH
Approx Weight		1.90kg
Terminal	Standard	F1-TAB 187E
	Optional	*F7-TAB 315C1 *F6-TAB 250C
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 (0.6A)	12AH
	10 hour rate (1.08A)	10.8AH
	5 hour rate (1.92A)	9.6AH
	1 hour rate (7.2A)	7.2AH
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 ≤ 3.6A 7.2V~7.5V at 25°C (77°F)
	Standby	6.8V~6.9V at 25°C (77°F)
Max discharge current for 5 se		180A

Discharge characteristic



Note: Discharge shall be cut-off at 5.25V if discharge at $<1C_A$ and at 4.8V 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	47.88	28.48	23.29	19.38	13.14	8.10	4.48	3.14
	W	251.00	149.50	122.00	101.50	69.00	42.50	23.50	16.50	10.50	5.75
1.75VPC	A	48.38	31.23	23.57	19.67	13.43	8.33	4.67	3.25	2.24	1.30
	W	254.00	164.00	123.50	103.20	70.50	43.50	24.55	17.86	11.74	6.84
1.70VPC	A	48.57	31.42	23.71	19.81	13.62	8.47	4.80	3.50	2.29	1.31
	W	255.00	165.00	124.50	104.00	71.50	44.50	25.20	18.40	12.06	6.88
1.65VPC	A	48.76	31.61	23.90	20.00	13.81	8.67	4.85	3.53	2.33	1.31
	W	256.00	166.00	125.50	105.00	72.50	45.50	25.49	18.54	12.20	6.89
1.60VPC	A	48.95	32.00	24.00	21.04	13.90	8.76	4.97	3.61	2.38	1.33
	W	257.00	168.00	126.00	105.50	73.00	46.00	26.10	18.96	12.48	7.01