

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

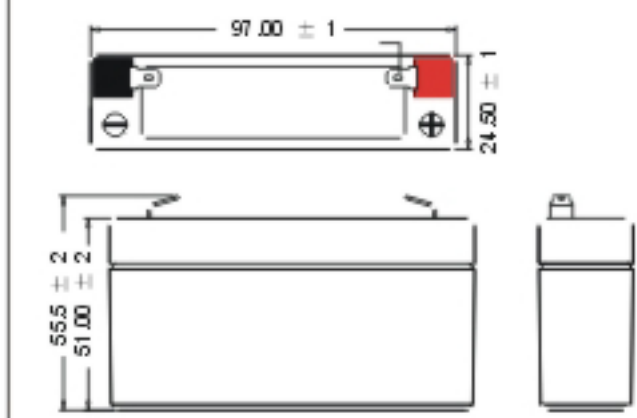
SB2495

(6V1.3AH)

Specification



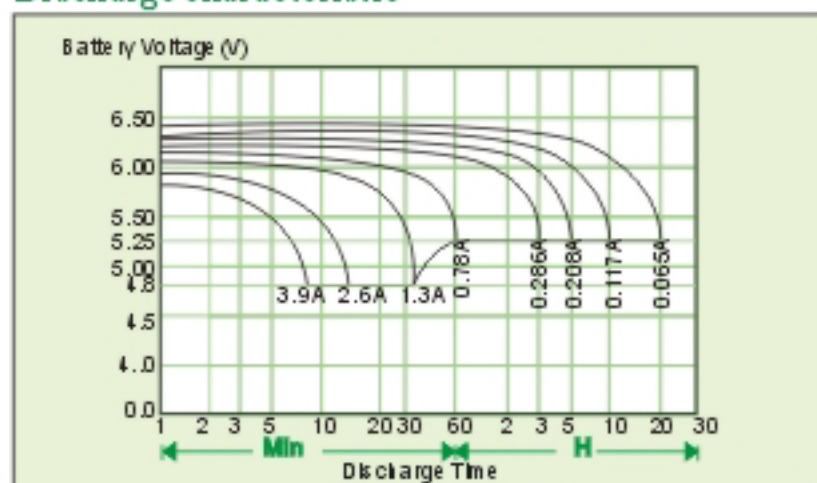
Dimensions(mm)



Nominal voltage		6V
Rated Capacity (20 hour rate)		1.3AH
Approx Weight		0.30kg
Terminal	Standard	F9-TAB 189B
	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 (0.065A)	1.3AH
	10 hour rate (0.117A)	1.17AH
	5 hour rate (0.208A)	1.04AH
	1 hour rate (0.78A)	0.78AH
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 ≤ 0.39A 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		19.5A

Discharge characteristic



Note: Discharge shall be cut-off at 5.25V if discharge at <math><1C_A</math> 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	4.48	2.69	2.06	1.75	1.05	0.59	0.25	0.15	0.08	0.06
	W	23.5	14.1	10.8	9.2	5.5	3.1	1.3	0.8	0.4	0.3
1.75VPC	A	4.76	2.99	2.19	1.92	1.2	0.72	0.32	0.23	0.11	0.07
	W	25	15.7	11.5	10.1	6.3	3.8	1.7	1.2	0.6	0.35
1.70VPC	A	4.95	3.14	2.38	2	1.31	0.78	0.38	0.29	0.15	0.15
	W	26	16.5	12.5	10.5	6.9	4.1	2	1.5	0.8	0.45
1.65VPC	A	5.14	3.28	2.48	2.1	1.39	0.86	0.44	0.34	0.2	0.11
	W	27	17.2	13	11	7.3	4.5	2.3	1.8	1.05	0.6
1.60VPC	A	5.35	3.47	2.6	2.18	1.5	0.93	0.53	0.39	0.26	0.14
	W	28.08	18.2	13.65	11.44	7.87	4.86	2.8	2.07	1.35	0.75