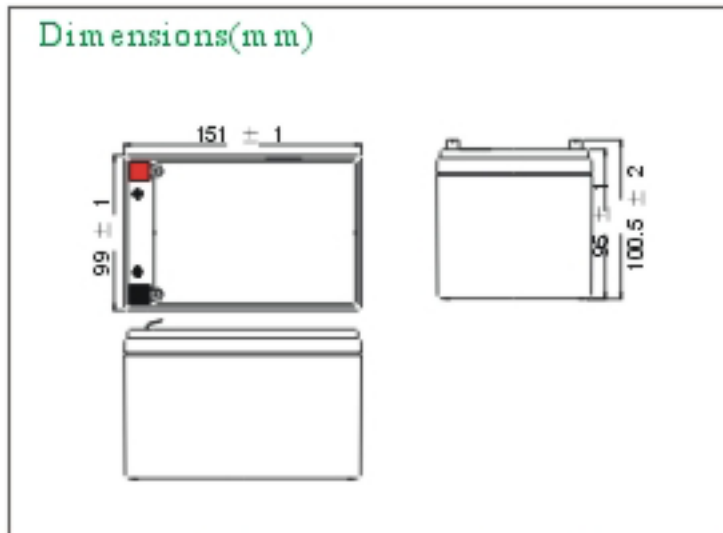


Maintenance-Free Rechargeable Sealed Lead-Acid Battery

12V 12AH SB-2489

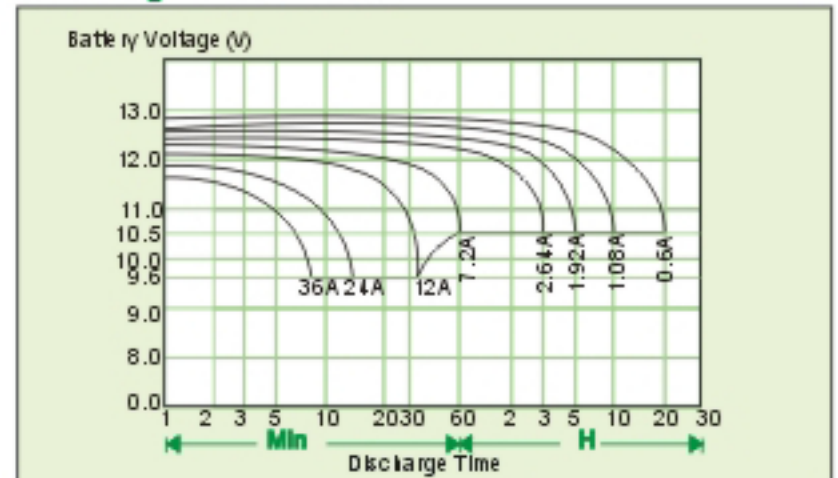
Specification



Nominal voltage		12V
Rated Capacity (20 HR)		12AH
Approx Weight		3.65kg
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 (0.6A)	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 14.4V~15V at 25°C (77°F)
	Standby	13.5V~13.8V at 25°C (77°F)
Max discharge current for 5 se		180A

Discharge characteristic



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

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	48.19	28.48	23.29	19.38	13.14	8.10	4.47	3.14	2.00	1.10
	W	506.00	299.00	244.50	203.50	138.00	85.00	47.00	33.00	21.00	11.50
1.75VPC	A	48.57	31.62	23.57	19.67	13.43	8.33	4.67	3.40	2.23	1.28
	W	510.00	332.00	247.50	206.50	141.50	87.50	49.10	35.71	23.47	13.40
1.70VPC	A	48.76	31.81	23.71	19.81	13.62	8.47	4.80	3.50	2.29	1.29
	W	512.00	334.00	249.00	208.00	143.00	89.00	50.40	36.79	24.12	13.50
1.65VPC	A	48.95	30.68	23.90	20.00	13.81	8.67	4.85	3.53	2.32	1.29
	W	514.00	336.00	251.00	210.00	145.00	91.00	50.98	37.08	24.40	13.60
1.60VPC	A	49.04	32.00	24.00	20.09	13.90	8.76	4.88	3.55	2.34	1.31
	W	515.00	336.00	252.00	211.00	146.00	92.00	51.34	37.30	24.60	13.80