

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

DM6-12 (6V12AH)

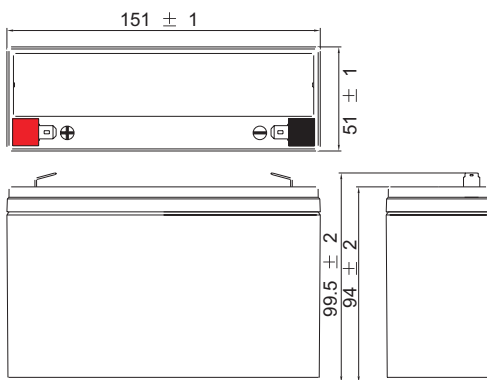
Specification

Application

- UPS
- Alarm and security system
- Medical Equipment
- Power tools
- Communication Equipment
- Control Equipment
- Toys



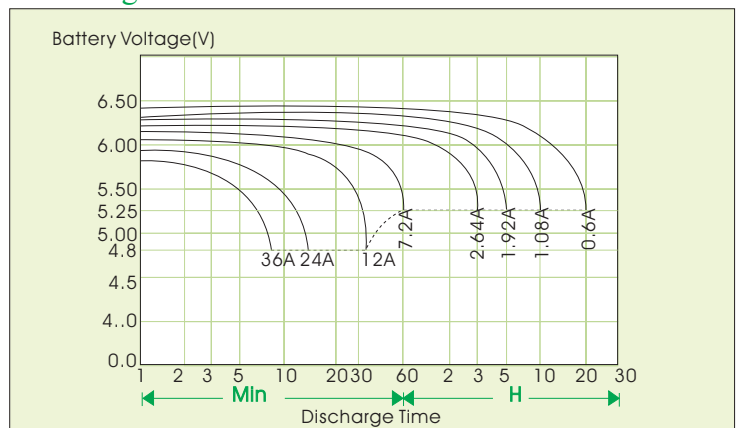
Dimensions(mm)



Nominal voltage		6V
Rated Capacity (20 hour rate)		12AH
Approx Weight		1.77kg
Terminal	Standard	F1-TAB 187E
	Optional	F2-TAB 250A
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 secondary		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	29.263	26.548	20.986	14.126	10.903	6.669	3.994	2.451
	W	161.743	121.989	92.109	81.771	63.154	39.096	23.688	17.208	11.304	6.794
1.75VPC	A	30.771	27.589	21.973	14.811	11.777	7.200	4.149	2.640	1.920	1.080
	W	168.789	127.851	101.571	85.577	65.469	41.436	24.552	17.856	11.736	6.840
1.70VPC	A	33.326	28.483	22.853	15.583	12.000	7.269	4.389	3.206	2.091	1.149
	W	178.251	130.834	105.531	88.817	67.577	42.156	25.200	18.396	12.060	6.876
1.65VPC	A	35.297	29.867	23.527	15.994	12.240	7.354	4.395	3.201	2.095	1.154
	W	186.583	134.640	106.251	90.977	68.194	42.696	25.488	18.540	12.199	6.891
1.60VPC	A	37.509	30.576	24.000	16.442	12.634	7.474	4.478	2.901	2.124	1.176
	W	189.977	137.006	108.257	90.463	68.914	42.984	25.668	18.648	12.276	6.891