

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

DM6-1.3 (6V1.3AH)

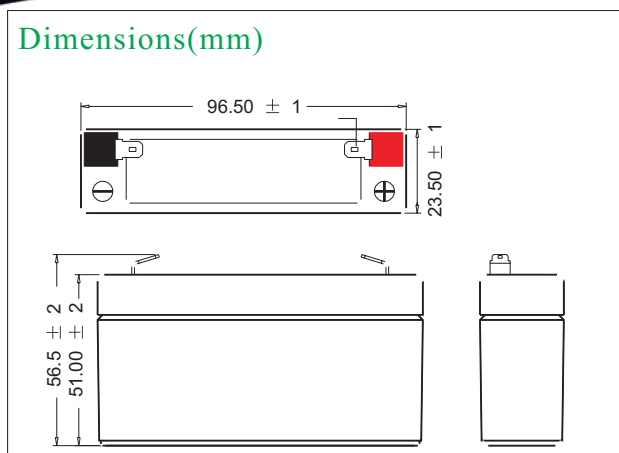
Specification

Application

- Lighting equipment
- Portable video camera
- Portable personal computer
- Emergency lighting equipment
- Fire alarm and security systems
- Electric equipment and telemeter equipment
- Toys and consumer electronics
- Portable power tools, measuring and medical equipment



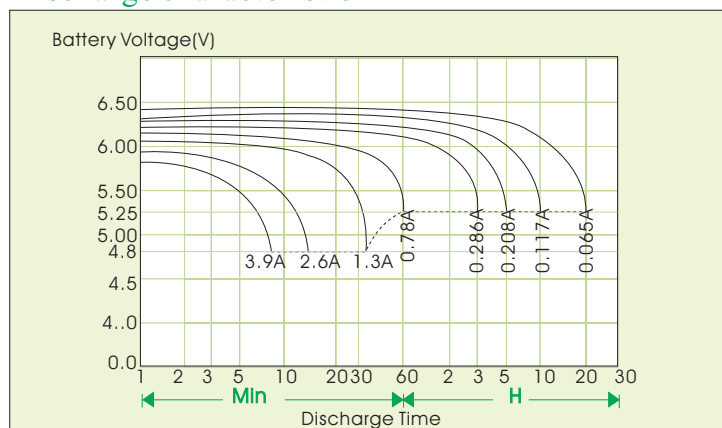
Dimensions(mm)



Nominal voltage		6V
Rated Capacity (20 hour rate)		1.3AH
Approx Weight		0.30kg
Terminal	Standard	F3-TAB 187A
	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 secondary		19.5A

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)

Time (min)		5	10	15	20	30	60	120	180	300	600
Final voltage	A	3.170	2.321	2.127	1.530	1.181	0.722	0.433	0.316	0.206	0.113
	W	17.522	13.215	9.978	8.859	6.842	4.235	2.566	1.864	1.225	0.736
1.80VPC	A	3.334	2.407	2.228	1.605	1.276	0.780	0.449	0.286	0.208	0.117
	W	18.285	13.851	11.004	9.271	7.092	4.489	2.660	1.934	1.271	0.741
1.75VPC	A	3.610	2.550	2.348	1.688	1.300	0.787	0.475	0.347	0.227	0.124
	W	19.311	14.174	11.433	9.622	7.321	4.567	2.730	1.993	1.307	0.745
1.70VPC	A	3.824	2.654	2.568	1.733	1.326	0.797	0.476	0.347	0.227	0.125
	W	20.213	14.586	11.511	9.856	7.388	4.625	2.761	2.009	1.322	0.747
1.65VPC	A	4.063	2.765	2.600	1.781	1.369	0.810	0.485	0.314	0.230	0.127
	W	20.581	14.842	11.728	9.800	7.466	4.657	2.781	2.020	1.330	0.747