

Maintenance-Free Rechargeable Sealed Lead-Acid Battery

DM4-3.5 (4V3.5AH)

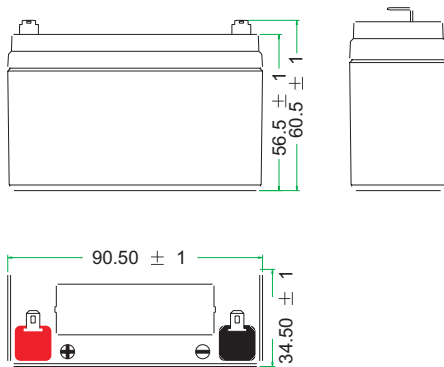
Specification

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



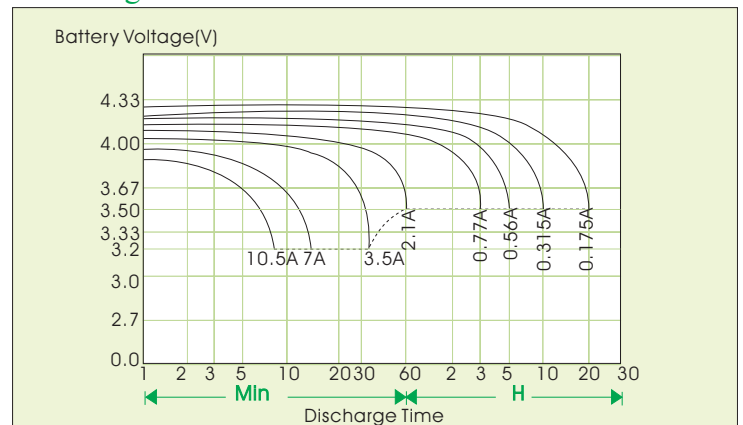
Dimensions(mm)



Nominal voltage		4V
Rated Capacity (20 HR)		3.5AH
Approx Weight		0.47kg
Terminal	Standard	F4-TAB 187B
	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 (0.175A)	3.5AH
	10 hour rate (0.315A)	3.15AH
	5 hour rate (0.56A)	2.8AH
	1 hour rate (2.1A)	2.1AH
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 ≤ 1.05A 4.8V~5V at 25°C (77°F)
	Standby	4.5V~4.6V at 25°C (77°F)
Max discharge current for 5 seconds		52.5A

Discharge characteristic



Note: Discharge shall be cut-off at 3.5V if discharge at $< 1C_A$ and at 3.2V 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	8.535	6.250	6.154	4.120	3.180	1.945	1.165	0.850
	W	31.450	23.720	17.910	15.900	12.280	7.602	4.606	3.346	2.198	1.321
1.75VPC	A	8.975	6.480	6.348	4.320	3.435	2.100	1.210	0.770	0.560	0.315
	W	32.820	24.860	19.750	16.640	12.730	8.057	4.774	3.472	2.282	1.330
1.70VPC	A	9.720	6.865	6.535	4.545	3.500	2.120	1.280	0.935	0.610	0.335
	W	34.660	25.440	20.520	17.270	13.140	8.197	4.900	3.577	2.345	1.337
1.65VPC	A	10.295	7.145	6.753	4.665	3.570	2.145	1.282	0.934	0.611	0.337
	W	36.280	26.180	20.660	17.690	13.260	8.302	4.956	3.605	2.372	1.340
1.60VPC	A	10.940	7.445	7.000	4.796	3.685	2.180	1.306	0.846	0.620	0.343
	W	36.940	26.640	21.050	17.590	13.400	8.358	4.991	3.626	2.387	1.340