

Lead Acid Rechargeable Battery **multicomp** PRO

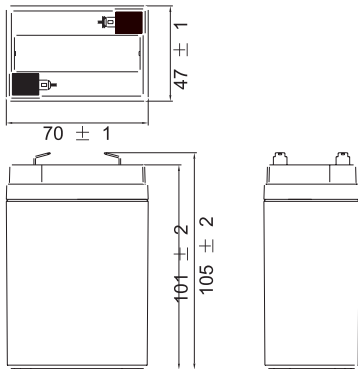
**RoHS
Compliant**



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

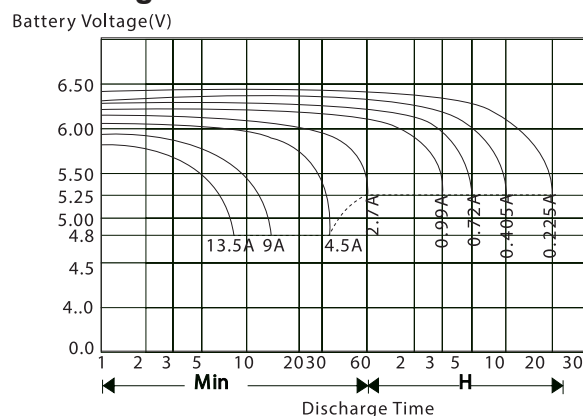
Dimensions



Nominal voltage		6V
Rated Capacity (20 HR)		4.5Ah
Approx Weight		0.73kg
Terminal	Standard	F1-TAB 187E
	Optional	F1 TAB 250A
Operation Temperature		
Charge	0°C (32°F) to 40°C (104°F)	
Discharge	-20°C (-4°F) to 50°C (122°F)	
Storage	-20°C (-4°F) to 40°C (104°F)	

Capacity 25°C (77°F)	20 hour rate (0.225A)	4.5Ah
	10 hour rate (0.405A)	4.05Ah
	5 hour rate (0.72A)	3.6Ah
	1 hour rate (2.7A)	2.7Ah
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 ≤1.35A 7.2V to 7.5V at 25°C (77°F)
	Standby	6.8V to 6.9V at 25°C (77°F)
Max discharge current for 5 seconds		46.2A

Discharge characteristic



Note: Discharge shall be cut-off at 5.25V if discharge at 1CA and at 4.8V if at ≥1CA

Dimensions : Millimetres

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Constant current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77°F)

Time (min) Final voltage		5	10	15	20	30	60	120	180	300	600
		1.8VPC	A	10.974	9.856	7.259	5.297	4.089	2.501	1.498	0.93
	W	60.654	45.746	34.541	30.664	23.683	14.661	8.883	6.453	4.239	2.548
1.75VPC	A	11.539	10.169	7.834	5.554	4.416	2.7	1.556	0.99	0.72	0.405
	W	63.296	47.944	38.089	32.091	24.551	15.539	9.207	6.696	4.401	2.565
1.7VPC	A	12.497	10.856	8.105	5.844	4.5	2.726	1.646	1.202	0.784	0.431
	W	66.844	49.063	39.574	33.306	25.341	15.809	9.45	6.899	4.523	2.579
1.65VPC	A	13.236	11.154	8.568	5.998	4.59	2.758	1.648	1.2	0.786	0.433
	W	69.969	50.49	39.844	34.116	25.573	16.011	9.558	6.953	4.575	2.584
1.6VPC	A	14.066	11.358	9	6.166	4.738	2.803	1.679	1.088	0.797	0.441
	W	71.241	51.377	40.596	33.924	25.843	16.119	9.626	6.993	4.604	2.584

Part Number Table

Description	Part Number
Battery, Lead Acid, 4.5Ah, 6V	MP012446

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