

Lead Acid Rechargeable Battery **multicomp** PRO

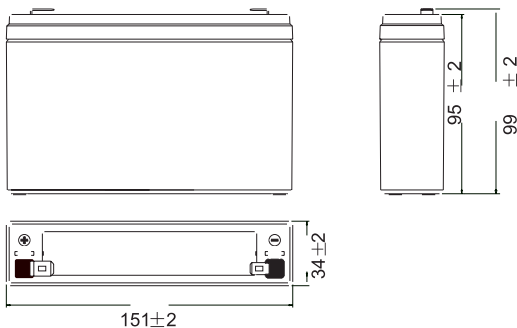
**RoHS
Compliant**



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

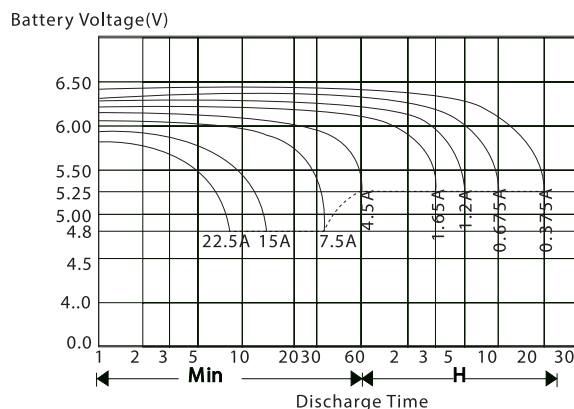
Dimensions



Nominal voltage	6V	
Rated Capacity (20 HR)	7.5Ah	
Approx Weight	1.07kg	
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 (0.375A)	7.5Ah
	10 hour rate (0.675A)	6.75Ah
	5 hour rate (1.2A)	6Ah
	1 hour rate (4.5A)	4.5Ah
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 ≤ 2.25A 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		105A

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	18.289	15.026	11.973	8.829	6.814	4.168	2.496	1.623
	W	101.089	76.243	57.568	51.107	39.471	24.435	14.805	10.755	7.065	4.246
1.75VPC	A	19.232	15.987	12.843	9.257	7.361	4.5	2.593	1.65	1.2	0.675
	W	105.493	79.907	63.482	53.486	40.918	25.898	15.345	11.16	7.335	4.275
1.7VPC	A	20.829	16.498	13.542	9.739	7.5	4.543	2.743	1.672	1.307	0.718
	W	111.407	81.771	65.957	55.511	42.236	26.348	15.75	11.498	7.538	4.298
1.65VPC	A	22.061	17.964	14.356	9.996	7.65	4.596	2.747	1.693	1.309	0.721
	W	116.614	84.15	66.407	56.861	42.621	26.685	15.93	11.588	7.624	4.307
1.6VPC	A	23.443	18.564	15	10.276	7.896	4.671	2.799	1.724	1.328	0.735
	W	118.736	85.629	67.661	56.539	43.071	26.865	16.043	11.655	7.673	4.307

Part Number Table

Description	Part Number
Battery, Lead Acid, 7.5AH, 6V	MP012442

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