

Lead Acid Rechargeable Battery **multicomp** PRO

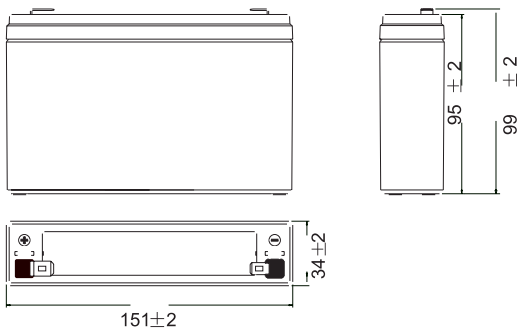
**RoHS
Compliant**



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

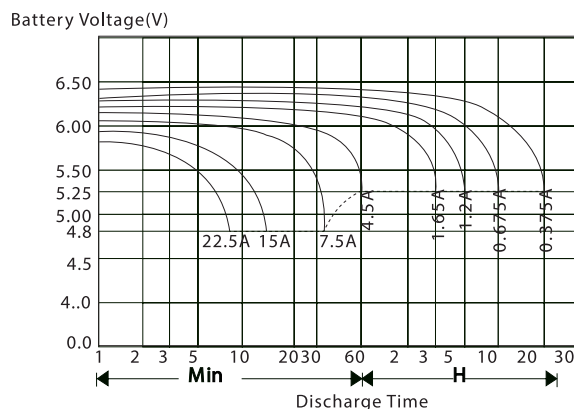
Dimensions



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

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

multicomp PRO

Lead Acid Rechargeable Battery **multicomp** PRO

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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 sg.element14.com/b/multicomp-pro

multicomp PRO