

# Lead Acid Rechargeable Battery **multicomp** PRO

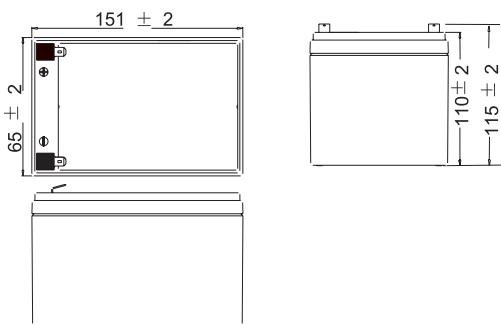
**RoHS  
Compliant**



## Application

- UPS
- Toys
- Power tools
- Medical Equipment
- Control Equipment
- Communication Equipment
- Alarm and security system

## Dimensions

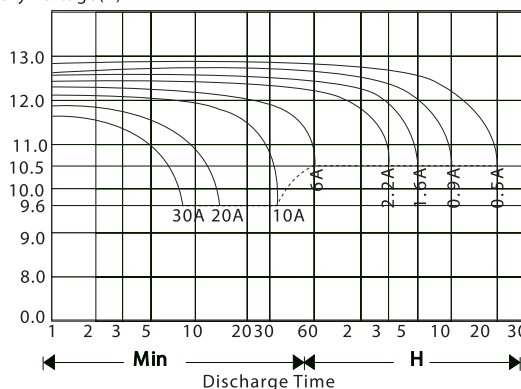


Capacity 25°C (77°F)	20 hour rate (0.5A)	10Ah
	10 hour rate (0.9A)	9Ah
	5 hour rate (0.1.6A)	8Ah
	1 hour rate (6A)	6Ah
Capacity affected by temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self-discharge at 25°C 77°F Before recharge	Capacity after 3 month	91%
	Capacity after 6month	82%
	Capacity after 12month	64%
Constant voltage charge	Cycle	Initial Charging Current 0.39A 14.4V to 15V at 25°C 77°F
	Standby	13.5V to 13.8V at 25°C 77°F
Max discharge current for 5 seconds		140A

Nominal voltage	12V	
Rated Capacity (20 HR)	10Ah	
Approx Weight	0.54kg	
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)	

## Discharge characteristic

Battery Voltage(V)



Note: Discharge shall be cut-off at 10.5V if discharge at 1CA and at 9.6V if at  $\geq 1C_A$

# 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	40.19	25.81	19.14	15.95	10.81	5.48	3.71	1.98
	W	422	271	201	167.5	113.5	68	39	27.5	18	10.5
1.75VPC	A	40.57	26.19	19.57	16.23	11.09	6	3.9	2.2	1.6	0.9
	W	426	275.5	205.5	170.5	116.5	70.5	41	29.76	19.56	10.9
1.7VPC	A	40.76	26.38	19.71	16.38	11.24	6.86	4	2.91	1.73	0.98
	W	428	277	207	172	118	72	42	30.6	20.1	11.1
1.65VPC	A	40.95	26.57	19	16.57	11.42	7.05	4.05	2.94	1.85	1.07
	W	430	279	209	174	120	74	42.5	30.9	20.3	11.3
1.6VPC	A	41.14	26.67	20	16.7	11.52	7.14	4.1	3	1.95	1.13
	W	432	280	210	176	121	75	43.1	31.5	20.5	11.5

## Part Number Table

Description	Part Number
Battery, Lead Acid, 10Ah, 12V	MP012451

**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