

# Lead Acid Rechargeable Battery **multicomp** PRO

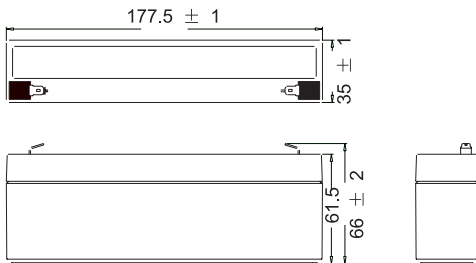
**RoHS  
Compliant**



## Application

- UPS
- Alarm and security system
- Toys

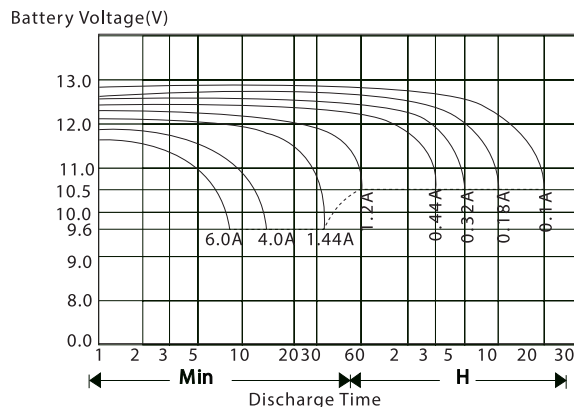
## Dimensions



Capacity 25°C (77°F)	20 hour rate (0.1A)	2Ah
	10 hour rate (0.18A)	1.8Ah
	5 hour rate (0.32A)	1.6Ah
	1 hour rate (1.2A)	1.2Ah
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 ≤0.6A 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		28A

Nominal voltage	12V	
Rated Capacity (20 HR)	2Ah	
Approx Weight	0.81kg	
Terminal	Standard	F3-TAB 187A
	Optional	
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)	

## Discharge characteristic



Note: Discharge shall be cut-off at 10.5V if discharge at 1C<sub>A</sub> and at 9.6V if at ≥1C<sub>A</sub>

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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	6.81	3.95	3	1.98	1.52	0.95	0.57	0.37
	W	71.5	41.5	31.5	24	16	10	5	3.4	1.9	1.0
1.75VPC	A	6.95	4.14	3.19	2.08	1.67	1.2	0.67	0.44	0.32	0.18
	W	73	43.5	33.5	26.5	17.5	11.5	6.4	4.1	2.5	1.2
1.7VPC	A	7.1	4.28	3.33	2.2	1.8	1.14	0.68	0.46	0.32	0.19
	W	74.5	45	35	28	18.9	12	7.1	4.8	2.9	1.5
1.65VPC	A	7.23	4.52	3.47	2.35	1.9	1.21	0.71	0.49	0.38	0.23
	W	76	47.5	36	29	20	12.7	7.5	5.2	3.3	1.7
1.6VPC	A	7.4	4.8	3.6	2.5	2.08	1.28	0.74	0.55	0.43	0.28
	W	77.5	50.4	37.8	31.5	21.5	13.5	7.7	5.7	3.7	2.07

## Part Number Table

Description	Part Number
Battery, Lead Acid, 2Ah, 12V	MP012448

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