

Lead Acid Rechargeable Battery **multicomp** PRO

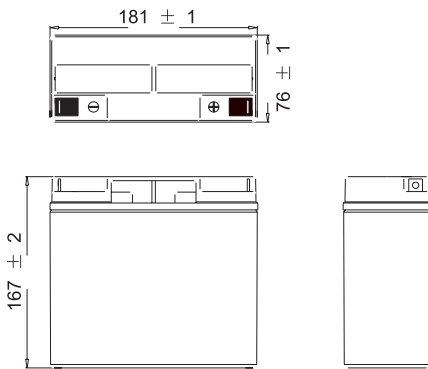
**RoHS
Compliant**



Application

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

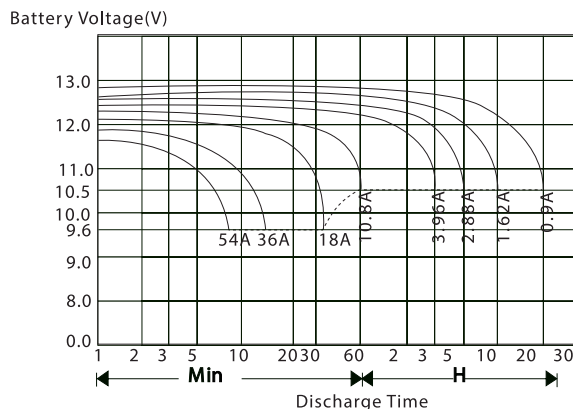
Dimensions



Nominal voltage		12V
Rated Capacity (20 HR)		18Ah
Approx Weight		4.95kg
Terminal	Standard	B1-M5
	Optional	I2-M5
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 (0.9A)	18Ah
	10 hour rate (1.62A)	16.2Ah
	5 hour rate (2.88A)	14.4Ah
	1 hour rate (10.8A)	10.8Ah
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 ≤5.4A 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		252A

Discharge characteristic



Note: Discharge shall be cut-off at 10.5V if discharge at 1CA and at 9.6V 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	73.24	47.05	35.24	29.43	20.19	9.56	6.71	3.92
	W	769	494	370	309	212	127	70.5	51.5	33.5	18.5
1.75VPC	A	73.62	47.52	35.52	29.71	20.48	10.8	7.01	3.96	2.88	1.62
	W	773	499	373	312	215	130	73.66	53.57	35.21	19
1.7VPC	A	73.71	47.71	35.71	29.9	20.67	12.57	7.13	4.11	2.95	1.68
	W	774	501	375	314	217	132	75.6	55.19	36.18	20
1.65VPC	A	73.9	47.9	35.9	30.09	20.86	12.76	7.28	4.23	3.02	1.73
	W	776	503	377	316	219	134	76.46	55.62	36.6	20.2
1.6VPC	A	74.1	48	36	30.19	20.95	12.86	7.33	4.36	3.11	1.79
	W	778	504	378	317	220	135	77	56	36.83	20.6

Part Number Table

Description	Part Number
Battery, Lead Acid, 18Ah, 12V	MP012443

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