

# Lead Acid Rechargeable Battery **multicomp** PRO

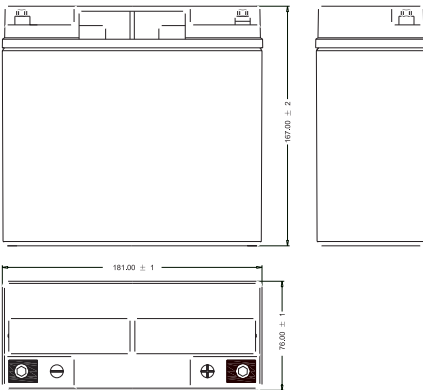
**RoHS  
Compliant**



## Application

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

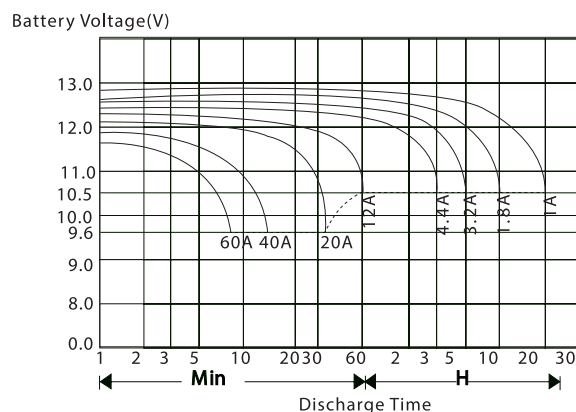
## Dimensions



Nominal voltage		12V
Rated Capacity (20 HR)		20Ah
Approx Weight		5.3kg
Terminal	Standard	I2-M5
	Optional	B1-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 (1A)	20Ah
	10 hour rate (1.8A)	18Ah
	5 hour rate (3.2A)	16Ah
	1 hour rate (12A)	12Ah
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 ≤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		280A

## 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	81.33	53.05	39.33	32.95	23.14	11.43	7.68	3.98
	W	854	557.00	413	346	243	146	78.5	57	37.1	20.8
1.75VPC	A	81.71	53.33	39.53	33.23	23.33	12	7.8	4.4	3.2	1.8
	W	858	560.00	415	349	245	148	82	59.52	39.12	21.8
1.7VPC	A	82	53.52	39.71	33.43	23.52	12.35	8	4.68	3.44	1.93
	W	861	562.00	417	351	247	150	84	61.32	40.2	22
1.65VPC	A	82.28	53.71	39.9	33.62	23.71	12.71	8.09	4.87	3.65	2.08
	W	863	564	419	353	249	151	84.5	61.8	40.66	22.3
1.6VPC	A	82.4	53.8	40	33.81	23.81	13.05	8.19	5.01	3.89	2.14
	W	865	565	420	354	250	152	86	62	40.92	22.5

### Part Number Table

Description	Part Number
Battery, Lead Acid, 20AH, 12V VR	MP012449

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