

Lead Acid Rechargeable Battery **multicomp** PRO

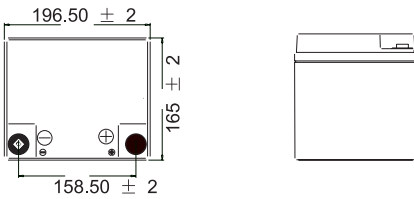
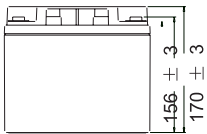
**RoHS
Compliant**



Application

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

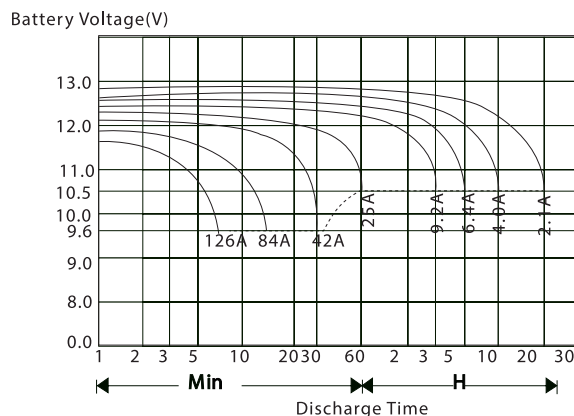
Dimensions



Nominal voltage		12V
Rated Capacity (20 HR)		40Ah
Approx Weight		12.1kg
Terminal	Standard	I1-M
	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)	

Capacity 25°C (77°F)	20 hour rate (2.1A)	42Ah
	10 hour rate (4A)	40Ah
	5 hour rate (6.4A)	32Ah
	1 hour rate (25A)	25Ah
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 ≤12A 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		560A

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	144.95	97.23	77.95	52.27	41.85	24.58	15.43	8.96
	W	1517	1021	711	552	453	287	162	108	76.2	39
1.75VPC	A	145.42	97.8	78.35	52.86	42.1	25	15.62	9.20	6.4	4
	W	1520	1027	714	554	457	289	164	110	78.24	41
1.7VPC	A	145.9	98.1	78.98	53.04	42.3	25.85	16	9.55	6.65	4.1
	W	1522	1030	716	556	459	291	168	113	80.4	43
1.65VPC	A	146.09	98.47	79.53	53.24	42.5	26.35	16.19	9.83	6.83	4.19
	W	1524	1034	718	558	460	293	170	114	82	44
1.6VPC	A	146.29	98.76	80	53.33	42.8	26.89	16.57	10.25	7.03	4.26
	W	1528	1037	720	560	462	295	174	115	83	45

Part Number Table

Description	Part Number
Battery, Lead Acid, 40Ah, 12V VR	MP012452

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