

Lead Acid Rechargeable Battery **multicomp**PRO

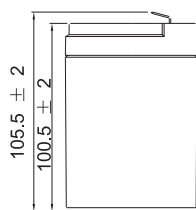
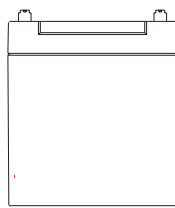
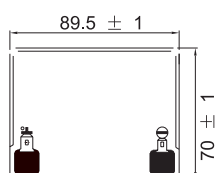
**RoHS
Compliant**



Application

- UPS
- Alarm and security system
- Toys

Dimensions

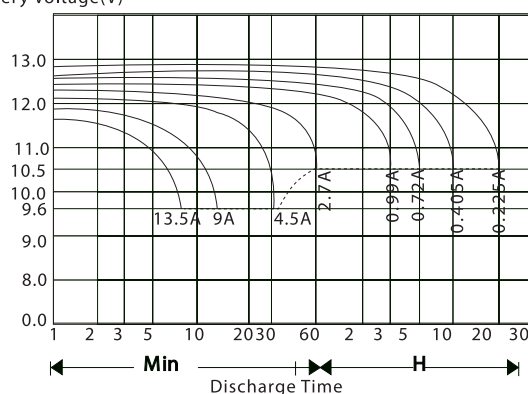


Nominal voltage		12V
Rated Capacity (20 HR)		4.5Ah
Approx Weight		1.37kg
Terminal	Standard	F1-TAB 187E
	Optional	F2-TAB 250
Operation Temperature		
Charge	0°C (32°F) to 40°C (104°F)	
Discharge	-20°C (-4°F) to 50°C (122°F)	
Storage	-20°C (-4°F) to 40°C (104°F)	

Capacity 25°C (77°F)		20 hour rate (0.225A)	4.5Ah
		10 hour rate (0.405A)	4.05Ah
		5 hour rate (0.72A)	3.6Ah
		1 hour rate (2.7A)	2.7Ah
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 ≤1.35A 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			63A

Discharge characteristic

Battery Voltage(V)



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	17.19	10.52	7.9	6.52	4.25	2.62	1.63	0.87	0.67	0.36
	W	180.5	110.5	83	68.5	48.5	29.5	17.1	12.5	8.1	4.5
1.75VPC	A	17.57	10.8	8.14	6.71	4.43	2.7	1.75	0.99	0.72	0.4
	W	184.5	113.5	85.5	70.5	50.5	30.5	18.41	13.39	8.8	5.13
1.7VPC	A	17.71	10.95	8.28	6.85	4.52	3.05	1.8	1.12	0.78	0.45
	W	186	115	87	72	52	32	18.9	13.8	9.05	5.16
1.65VPC	A	17.9	11.14	8.46	7.05	4.65	3.24	1.83	1.2	0.84	0.49
	W	188	117	89	74	54	34	19.12	13.91	9.15	5.3
1.6VPC	A	18	11.23	9	7.14	4.72	3.33	1.83	1.28	0.88	0.52
	W	189	118	90	75	55	35	19.25	13.99	9.21	5.45

Part Number Table

Description	Part Number
Battery, Lead Acid, 4.5Ah, 12V	MP012445

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