

Lead Acid Rechargeable Battery **multicomp**PRO

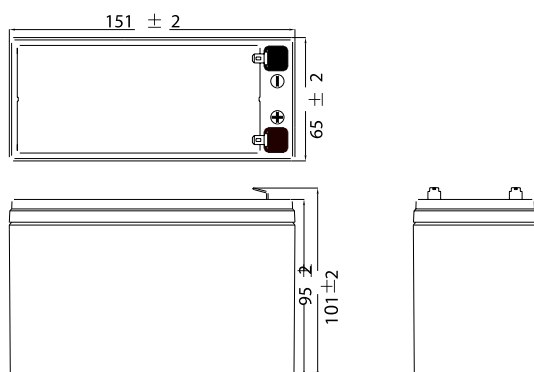


Application

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

**RoHS
Compliant**

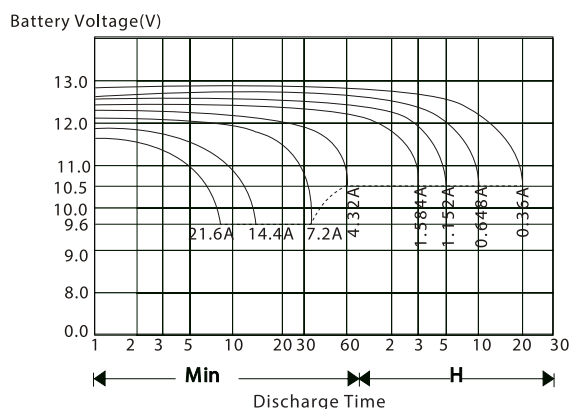
Dimensions



Nominal voltage		12V
Rated Capacity (20 HR)		7.2Ah
Approx Weight		2.06kg
Terminal	Standard	F1-TAB 187E
	Optional	F2-TAB 250A
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 (0.36A)	7.2Ah
		10 hour rate (0.648A)	6.48Ah
		5 hour rate (1.152A)	5.76Ah
		1 hour rate (4.32)	4.32Ah
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 ≤2.16A 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			100A

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	29.62	18.43	13.76	11.48	7.86	4.09	2.37	1.32	1.06	0.58
	W	311	193.5	144.5	120.5	82.5	50.5	2.81	19.5	13.6	7.5
1.75VPC	A	30	18.81	14.04	11.76	8.14	4.32	2.49	1.58	1.15	0.64
	W	315	197.5	147.5	123.5	85.5	52.5	29.5	21.43	14	7.8
1.7VPC	A	30.19	18.95	14.1	11.9	8.29	5.14	2.63	2.1	1.35	0.76
	W	317	199	148	125	87	54	2.86	22.08	14.2	8
1.65VPC	A	30.38	19.14	14.29	12.09	8.47	5.33	2.88	2.12	1.38	0.77
	W	319	201	150	127	89	56	30.2	22.25	14.5	8.1
1.6VPC	A	30.48	19.23	14.4	12.19	8.57	5.52	2.93	2.14	1.41	0.79
	W	320	202	151	128	90	57	30.8	22.5	14.8	8.3

Part Number Table

Description	Part Number
Battery, Lead Acid, 7.2Ah, 12V VR	MP012445

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