

# Lead Acid Rechargeable Battery **multicomp**PRO

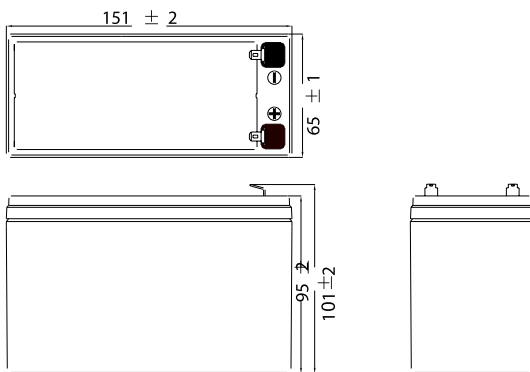
**RoHS  
Compliant**



## Application

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

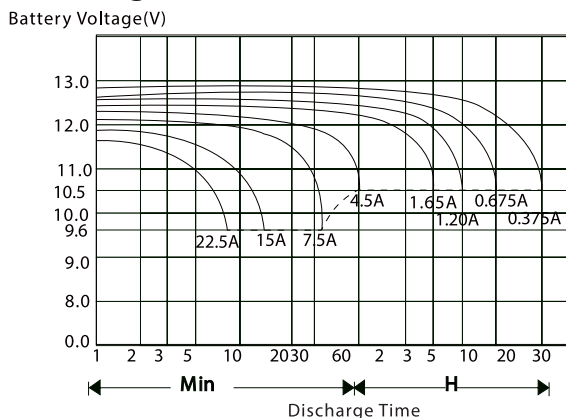
## Dimensions



Nominal voltage		12V
Rated Capacity (20 HR)		7.5Ah
Approx Weight		2.1kg
Terminal	Standard	F1-TAB 187E
	Optional	F1-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 (0.375A)	7.5Ah
	10 hour rate (0.675A)	6.75Ah
	5 hour rate (1.2A)	6Ah
	1 hour rate (4.5A)	4.5Ah
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 ≤2.4A 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		90A

## 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	33.43	18.57	13.24	12.57	8.67	4.2	2.92	1.53
	W	351	216	163	132	91	53.5	30.5	21.5	14	8.1
1.75VPC	A	33.81	18.98	13.85	12.94	8.9	4.5	3.06	1.65	1.2	0.67
	W	355	220	164.5	135.5	93.5	56.5	32.1	23.7	15.5	8.5
1.7VPC	A	34	19.04	14.24	13.05	9.05	4.73	3.1	1.81	1.29	0.74
	W	357	221	166	137	95	58	32.6	24.1	15.8	8.8
1.65VPC	A	34.19	19.23	14.75	13.23	9.23	4.95	3.15	1.92	1.37	0.81
	W	359	223	168	139	97	60	33.4	24.5	16.1	9
1.6VPC	A	34.28	19.33	15	13.33	9.33	5.21	3.28	2.01	1.46	0.88
	W	360	224	169	140	98	61	34.3	25	16.5	9.2

### Part Number Table

Description	Part Number
Battery, Lead Acid, 7.5Ah, 12V VR	MP012434

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