

Lead Acid Rechargeable Battery **multicomp**PRO

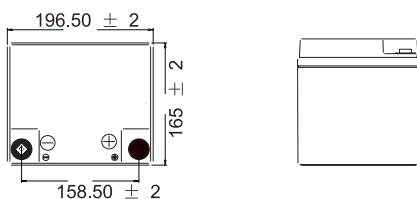
**RoHS
Compliant**



Application

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

Dimensions

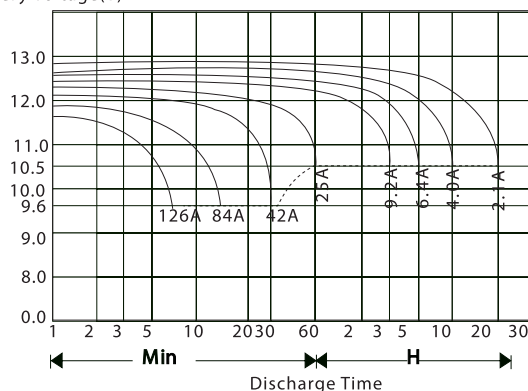


Nominal voltage		12V
Rated Capacity (20 HR)		40Ah
Approx Weight		12.1kg
Terminal	Standard	I1-M
	Optional	
Operation Temperature		
Charge	0°C (32°F) to 40°C (104°F)	
Discharge	-20°C (-4°F) to 50°C (122°F)	
Storage	-20°C (-4°F) to 40°C (104°F)	

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

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

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicompPRO

Lead Acid Rechargeable Battery **multicomp**^{PRO}

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	6.25	3.86
	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

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

multicomp^{PRO}