

2 Volt Cells OPzV - GEL Power

marine • mobile • landbased • back-up • solar



Datasheet



600 Ah • 800 Ah • 1000 Ah • 1200 Ah • 1500 Ah

- Deep cycle long life battery
- Maintenance free, recombination (VRLA) type
- Designed to operate with high current DC & AC loads (Inverter)
- Extremely powerful
- For horizontal or vertical installation
- 7 years warranty



smart energy solutions



smart energy solutions



OPzV 2 Volt GEL Power	Art. Nr.	40290040	40290041	40290042	40290043	40290044
Specifications						
Nominal capacity (C10) (1.8 V cell, 20 °C)		600 Ah	800 Ah	1000 Ah	1200 Ah	1500 Ah
Nominal voltage		2 V-DC	2 V-DC	2 V-DC	2 V-DC	2 V-DC
Type		WhisperPower OPzV Valve Regulated batteries are extremely suitable for applications with extended charge / discharge cycles. They are fully maintenance free. WhisperPower GEL power batteries are based on tubular plate technology and the fixing of the electrolyte as GEL. Typical applications include reserve power supplies for backup power, marine / mobile power banks and safety power supply equipment.				
Weight +/- 10%		50.0 Kg	68.0 Kg	82.0 Kg	97.0 Kg	120.0 Kg
Dimensions l*w*h [mm] (incl. terminals)		145*206*667	191*210*668	233*210*670	275*210*669	275*210*820
Terminal type		M 10 / 2	M 10 / 4	M 10 / 4	M 10 / 4	M 10 / 4
Number of plates per cells		6	8	10	12	12
Charge/discharge parameter						
Boost Charge Voltage (V/cell)		2.35 V DC @ 20°C				
Floating voltage set point (V/cell)		2.25 V DC @ 20°C				
Initial charge current (A) 0.4 C10		240 A	320 A	400 A	480 A	600 A
Temperature cut-off ratio		4mv/cell/°C				
Recommended End of Discharge voltage for 10-hr rate (V/cell)		1.80 V/cell				
Recommended End of Discharge voltage for 1-hr rate (V/cell)		1.65 V/cell				
Rated Capacity @ 20°C						
		rate to 1.80 V per cell	rate to 1.80 V per cell	rate to 1.80 V per cell	rate to 1.80 V per cell	rate to 1.80 V per cell
10 hrs discharge		600 Ah	800 Ah	1000 Ah	1200 Ah	1500 Ah
5 hrs discharge		580 Ah	780 Ah	965 Ah	1160 Ah	1360 Ah
1 hrs discharge		292 Ah	613 Ah	489 Ah	570 Ah	647 Ah
Peukert Coefficient		1.21<P<1.23	1.21<P<1.23	1.21<P<1.23	1.21<P<1.23	1.21<P<1.23
Time reserve minutes 25 amps discharge		24 hrs	32 hrs	40 hrs	48 hrs	60 hrs
Self discharge		less than 2% per month @ 20°C				
Storage time		OPzV-power batteries can be stored for maximum 6 months at 20°C, Charging recommended before using.				
Battery parameters						
Short circuit current of the battery cell (A)		4170 A	5840 A	7170 A	8540 A	9360 A
Cycle life at 80% of D.O.D		1250	1250	1250	1250	1250
Internal resistance Approx.		0.49 mΩ	0.35 mΩ	0.29 mΩ	0.24 mΩ	0.22 mΩ

