

Multi cycle 2 volt Cells

Whilst vertical installation is recommended, 2 V GEL cells can be installed up to 30 degree angle. Horizontal installation is not allowed. Shown below is a 1650 Ah (24 V) underfloor battery bank installed in the middle (central point) of a motor yacht. Weighing approximately 1.5 tonnes it is ideally positioned in terms of balance with its weight at the lowest possible point. Cables to connect the individual 2 V cells together are supplied as standard.

Recommended Use

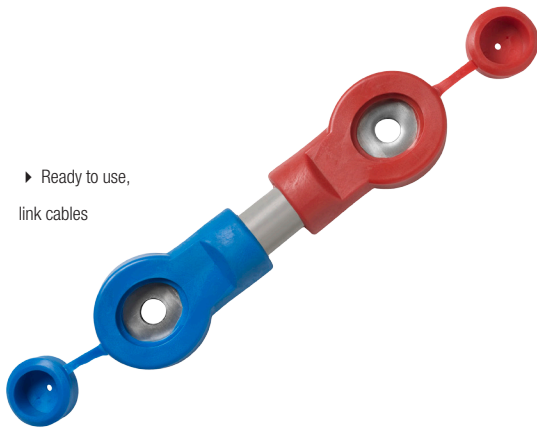
- For both 2 V and 12 V GEL batteries:
- Charge according to three step process (IUoUo) (see page 69 and 75)
- Keep battery connected to the charger even when not in use
- Use the temperature sensor to monitor the temperature of the battery
- Use alternator only on 'float voltage'
- Fit with ACR regulator as alternator will charge the battery faster and to 100%

GEL batteries - 2 V cells - forklift truck / traction quality

- Designed to last for over 10 years
- Suitable for high charge current (50% of nominal capacity)
- Ideal battery for large battery banks (600 to 8000 Ah)
- Best option for intensively used heavy duty inverter(s)
- Suitable for a large number of charge cycles (1200 to 3000 depending on discharge level)
- 7 year warranty (Restricted to cycles)

▼ Underfloor
1650 Ah (24 V)
battery bank

► Ready to use,
link cables



2 V cells

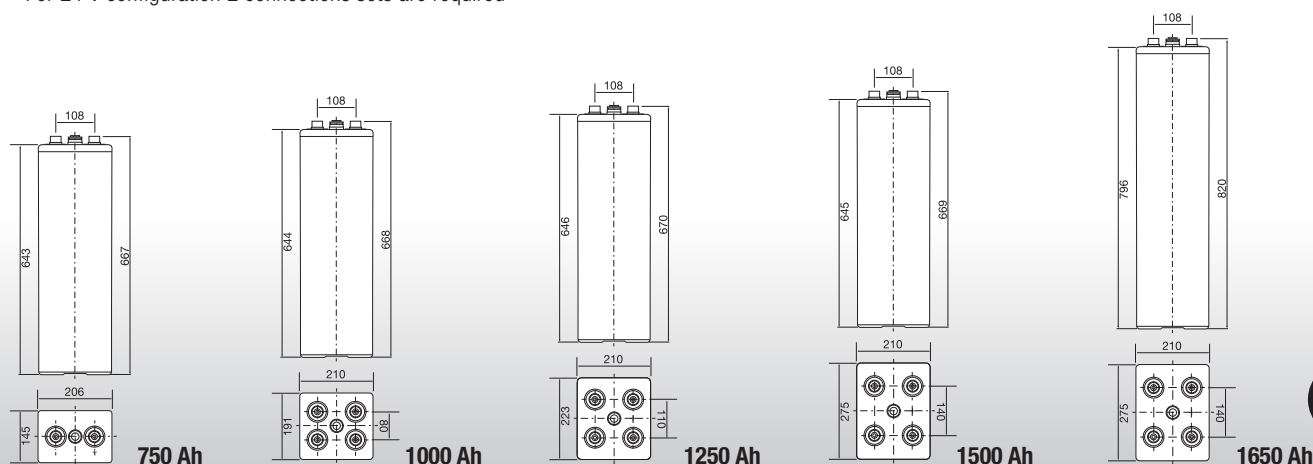
Technical specifications 2 V GEL

	2 V GEL 210 Ah	2 V GEL 440 Ah	V GEL 525 Ah	2 V GEL 750 Ah	2 V GEL 1000 Ah	2 V GEL 1250 Ah	2 V GEL 1500 Ah	2 V GEL 1650 Ah
Article Nr.	40290035	40290037	40290038	40290040	40290041	40290042	40290043	40290044
TECHNICAL SPECIFICATIONS								
Nominal capacity (C10, cel 1.80 V, 20°C)	210 Ah	440 Ah	525 Ah	750 Ah	1000 Ah	1250 Ah	1500 Ah	1650 Ah
Nominal voltage	2 VDC	2 VDC	2 VDC	2 VDC	2 VDC	2 VDC	2 VDC	2 VDC
Type	WhisperPower OPzV valve regulated batteries are ideally suited for applications with extended deep charge / discharge cycles. They are fully maintenance free. WhisperPower GEL batteries are constructed using tubular plate technology, wherein the electrolyte is contained in the GEL. They are widely used in emergency / back-up power supplies, marine and mobile battery banks and UPS installations.							
Weight ± 10%	18.0kg	33.0kg	39.0kg	50.0kg	68.0kg	82.0kg	97.0kg	120.0kg
Dimensions lxxw (mm) (excl. poles)	145x206x390	145x206x506	166x206x506	145x206x667	191x210x668	233x210x670	275x210x669	275x210x820
Terminal type	2 x M8	2 x M8	2 x M8	2 x M8	4 x M8	4 x M8	4 x M8	4 x M8
CHARGE / DISCHARGE PARAMETERS								
Bulk charge voltage (V/cel)	2.42 VDC at 20°C							
Float voltage (V/cel)	2.25 VDC at 20°C							
Initial charge current (A)	80 A	150 A	200 A	240 A	320 A	400 A	480 A	600 A
Temperature ratio	-4mv/cel/°C							
Recommended discharge voltage for 10 hours discharge (V/cel)	1,80 VDC/cel							
Recommended discharge voltage for 1 hour discharge (V/cel)	1,65 VDC/cel							
NOMINAL CAPACITY AT 20°C	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE	UP TO 1.80 VDC/CE
10 hours discharge	210 Ah	440 Ah	525 Ah	750 Ah	1000 Ah	1250 Ah	1500 Ah	1650 Ah
5 hours discharge	180 Ah	370 Ah	450 Ah	650 Ah	865 Ah	1085 Ah	1305 Ah	1355 Ah
1-hour discharge	88Ah	184 Ah	220 Ah	314 Ah	489Ah	570 Ah	629Ah	647Ah
Peukeurt Coefficient	1,21 <math><math> <math><math>							
Usage at 25 A discharge	8h	15h	18h	24h	32h	40h	48h	60h
Self discharge	Less than 3% per month at 20°C							
Storage time	OpzV batteries can be stored for up to 6 months at 20°C, recommended to charge before use							
BATTERY PARAMETERS								
Cyclic life at 80% discharge	1250	1250	1250	1250	1250	1250	1250	1250
Internal resistance (approx.)	0,60mΩ	0,42mΩ	0,38mΩ	0,35mΩ	0,29mΩ	0,24mΩ	0,22mΩ	0,19mΩ

Article Nr.	Article
40290101	Connection strip set GEL Power 2 V for 12 V tot 750 Ah*
40290103	Connection strip set GEL Power 2 V for 12 V / 1000 Ah*
40290105	Connection strip set GEL Power 2 V for 12 V / 1250/1500/1650 Ah*

- 7 year warranty (pro rata)
- 3500 cycles at 50% discharge
- Ah rating based on C10

* For 24 V configuration 2 connections sets are required



Go to www.whisperpower.com for the complete measurements