



Quote Q-47462

Waterworld - 15 kw propulsion. Series hybrid system schematic with lithium battery.

Item on drawing	Line	ES Part Number	Description	Note
1	005	WW-3-15.0I	Waterworld '3' electric propulsion 15kw - complete system	Inc. motor, controller, display, throttle & contactor
2	001	NLM843NW3.7G/1P/HE	Northern Lights M843NW3 generator (10.0kw 50 Hz, 230v 1PH / 12.0kw 60Hz120/240)	
	002	GA06-73100	Sound Enclosure for GEM series gensets - M843NW3.7G	
	003	GA33-82005	Anti vibration mounts	
3	004	QUO48/10000-140-230V	Victron Quattro 48/10000-140-230V	10 kVA inverter - 140 amp charger
4	006	BAT-LI-MG-BMS-RJ-24/0600	MG Energy Systems Low Voltage Master BMS	
5	007	BAT-LI-MG-HE-RJ-26V-200	MG Energy Systems Lithium Ion HE Battery 200 Ah @ 26.4 V (5 kWh)	Minimum recommended installation is 4 batteries which gives 20 kWh of energy storage
6	008	ORION-IG-48/24-16A-380W	Orion DC-DC Converter - 48v input (40-70v) - 24.2v Nominal Output - 380w (16A)	This float charges the 'buffer' 24 volt battery from the 48 volt system
7	009	BAT-VIC-AGM-220	Victron 12V AGM deep cycle battery - 200 ah @ C10, 220 ah @ C20	Buffer battery to supply normal on-board 24 volt loads inc. thruster, winches, lighting & electronics
8	010	GX-CERBO	Victron Cerbo GX - BPP900450100	
9	011	GX-CERBO-TOUCH50	GX Touch 50 display - water proof 5 inch	
10	012	API-RATIO-2PE/32/240/SS	Ratio Stainless steel shorepower inlet. 2P+E. 240v 32 A	
11	013	SHORECORDRATIO-32A/15M	Shorecord Set - 3 core - 6.0mm - 32A - 15m	