







	Business 40/32	Business 60/48		Business 80/64
Total Energy Capacity [kWh]	40	60		80
Energy, 80% DoD[kWh] <sup>1</sup>	32	48		64
Energy, 90% DoD[kWh] <sup>1</sup>	36	54		72
Current Capacity [Ah]	800	1200		1600
Max & Cont. Charge Current [A]	600	800		800
Max & Cont. Charge Power [kW]	30	40		40
Max/Cont. Discharge Current [A] 2	750/600	1000/800		1000/800
Max/Cont. Discharge Power [kW] <sup>2</sup>	38/30	50/40		50/40
Nominal Voltage [V]	52V, to suit 48V Inverters, min 47V, max 56V			
Max Recommended Inverter Total Rated Power (cont.)[kVA]	25	35		35
Short Circuit Current [kA]	15	20		24
Battery Dimensions - H x W x D [mm] 3	1300x522x370	1350x800x370		1350x1015x370
Crated Dimensions - H x W x D [mm]	1396x786x568	1506x956x568		1506x1186x568
Battery Weight [kg]	326	508		637
Crated Weight [kg]	376	563		697
DC Connection - Fly Leads (no. per electrode) [mm²]	2x95mm² Permopower			
Enclosure	Aluminium enclosure painted white, for use indoors or fully protected under-cover environments, rated to IP20			
Protection	Shunt Trip Circuit Breaker sized to suit max current, can be tripped by BMS if critical fault, manual reset. Includes overcurrent, cell under and over voltage, temperature, weak cell detection, minimum SoC control			
Control Interface	USB Serial protocol for troubleshooting & RJ45 for BMS & inverter communication			
Human Interface	State of Charge display (0 to 100%), Error light, Error Reset button, USB plug for programming			
Warranty <sup>5</sup>	Standard Warranty: 10 years (or 6000 cycles) 80% DoD, 0.5C Max Discharge, 0.25C Max Charge, Max 25°C1			
Service Life <sup>5</sup>	>16 years (>5500 cycles) expected life at 80% DoD1	>20 years (>7500 cycles) at 50% DoD		
Essential Accessories	Note that for connecting the battery to a PC a USB "printer" cable is required (one is supplied with each battery) CAN Bus Termination Resistor - one required per battery (one included with battery) CAN Bus Cable (RJ45 LAN Cable) - one required per battery (not supplied with battery). Note some inverters will require a special (non-standard pin configuration) cable - see installation manual.			

## Notes to Specification Sheet

- 1. DoD = Depth of Discharge, recommended 80% DoD for average daily discharge, 70% DoD on average for optimal life max for normal operation 90% DoD, max for system in standby 100% DoD.
- 2. Max current duration 5min every 10min. 1.5 x Max overload can be handled for 5 seconds. Current limits rated for 10°C to 25°C battery temperature. Derating will apply outside this temperature range.
- 3. Dimensions on or against wall excluding protuberances such as glands and breaker handle.
- 4. Fly Leads 1,8m long, power cable Red = Positive, Black = Negative, conductors in table refer to one electrode i.e. per positive and negative connections.
- 5. End of Life (EoL) defined as cell dropping to 60% of Beginning of Life (BoL) capacity for expected life and 70% of BoL capacity for warranty information.

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