Technical Specifications
WaterWorld 48-3400

Below are the specifications of the WaterWorld 48-3400 lithium battery.
For more information, please visit:
www.waterworldelectronics.com

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General Features	
Article Number	WW-81048034
Nominal energy capacity	3400 Wh
Nominal capacity	66,5 Ah
Usable capacity	65 Ah
Capacity @25A	155 min
Nominal voltage	51,2 V
Charging voltage	56,8 V
Discharging voltage	43,2 V
Continuous discharge rate	100 A
Max quick charge	60 A
Max peak discharge rate (2s)	200 A
Max peak discharge rate (10s)	150 A
Weight	33 kg
Size (LxWxH)	397 x 253 x 223 mm
Size (LxWxH, excluding feet)	397 x 253 x 212 mm
Volume (square shape)	21 L
Bluetooth	Yes, iOS / Android
Case material	3,5 mm aluminium

User Information	
Ambient temperature during discharging	-18°C to 55°C
Ambient temperature during charging	2°C to 45°C
Ambient temperature during storage	-25°C to 55°C
Typical storage time at 50% SoC	40 weeks
Max connections	Up to 1 Series 8 Parallel
Protection class (excluding salt water)	IP67

Lifetime Data	
Cycle life	>4000 cycles with 80% discharge depth at 25 °C to capacity loss of 20% at 0,5C
Average annual capacity loss	Approximately 2% at 25°C ambient temperature
Ideal storage temperature	10°C to 30°C

Battery Composition	
Cell type	Cylindrical
Chemistry	LiFePo4
Capacity per cell	6.05 Ah
Nominal voltage per cell	3,2 V
Cell configuration	16s 11p

Battery Management and Safety	
On-off switch	Yes
Terminals	Flexconnect
Cell balancing, passive	Yes
High current and short-circuit protection	Yes, up to 1500 A
Deep discharge protection	Yes
Protection against polarity reversal	Yes
Individual cell string voltage monitoring	Yes
Safety vent for each cell	Yes
Cell temperature monitoring	Yes
Temperature monitoring of battery electronics	Yes
Shipping classification	UN3480 CLASS 9
Battery certifications/ compliance	CE UN38.3 RoHS
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*Visit www.waterworldelectronics.com for the latest version of this document as specifications may change.

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