

# Technical Specifications

## WaterWorld 48-6800

Specifications of the WaterWorld 48-6800 lithium battery are listed below.  
For more information please visit:  
[www.waterworldelectronics.com](http://www.waterworldelectronics.com)



### General Features

Article Number	WW-81048068
Nominal energy capacity	6800 Wh
Nominal capacity	133 Ah
Useable capacity	129 Ah
Capacity @25A	310 min
Nominal voltage	51,2 V
Charging voltage	56,8 V
Discharging voltage	43,2 V
Continuous discharge rate	150 A
Max quick charge	80 A
Max peak discharge rate (2s)	300 A
Max peak discharge rate (10s)	200 A
Weight	61 kg
Size (LxBxH)	695 x 253 x 223 mm
Size (LxBxH, excluding feet)	695 x 253 x 212 mm
Square shape Volume	37 L
Bluetooth	Yes, iOS / Android
Case material	3,5 mm Aluminium

### User Information

Ambient temperature discharging	-18°C to 55°C
Ambient temperature charging	2°C to 45°C
Ambient temperature 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 lifetime	>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 up 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 22p

### Battery Management and Safety

On-off switch	Yes
Terminals	Felxconnect
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 battery electronics	Yes
Shipping classification	UN3480 CLASS 9
Certifications/ compliance battery	CE UN38.3 RoHS
Certifications/ compliance battery cells	UL CE IEC62133 IEC62619 EC61960 BIS PSE RoHS UN38.3