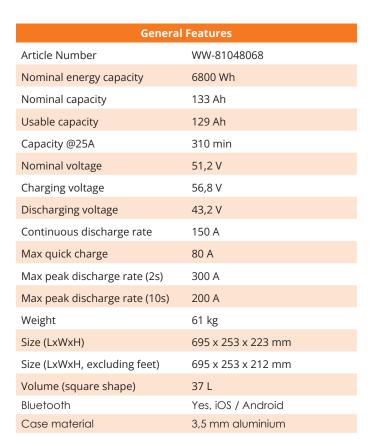
Technical Specifications

WaterWorld 48-6800

Below are the specifications of the WaterWorld 48-6800 lithium battery. For more information, please visit: www.waterworldelectronics.com



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		
water)			

water,		
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 certifications/ compliance

Battery cells certifications/ compliance





Battery	Compositio	on		
Cell type	Cylindric	cal		
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 of battery electronics		Yes		
Shipping classification		UN3480 CLASS 9		

CE UN38.3 RoHS