

W12 Series -L2L





Automotive-Grade Lithium Iron Phosphate Battery



Intelligent Management System



Long Service Life, Safe and Reliable



High Cycle Life

Product Overview

- Excellent long-cycle performance and wide temperature adaptability: Under 80% Depth of Discharge (DoD) and 0.5C discharge rate, the cycle life exceeds 3600 times with a capacity retention rate over 80%. Meanwhile, it adapts to a wide discharge operating temperature range of -20°C to 60°C.
- Outstanding safety and environmental properties: Leveraging the high thermal stability of lithium iron phosphate, it withstands extreme conditions like overcharge, short circuit, impact, and high temperature without combustion or explosion risks. With a fully enclosed design, no harmful gases are released during use.

- Cycle life of up to 3600 cycles at 0% Depth of Discharge (DoD)
- High-current charging and discharging capability
- Ultra-low self-discharge
- Excellent temperature adaptability
- Operable in a temperature range of -20°C to 60°C

W12 Series -L2L Specifications

MODEL	W12-100LF	W12-150LF	W12-200LF
Type of electric core	Lithium iron phosphate		
Rated capacity(0.5C)	100Ah	150Ah	200Ah
Rated power	1.28kwh	1.92kwh	2.56kwh
Rated voltage	12.8V		
Operating voltage range	10.8V-14.4V		
Maximum continuous charging current (25°C)	50A	75A	100A
Maximum continuous discharge current (25°C)	100A	150A	200A
Maximum charging voltage	14.4V		
Charging temperature range	-20-55°C		
Discharge temperature range	-20-55°C		
Storage temperature range	-20-60°C@50%SOC		
Battery heating mode	Charging heating		
Number of cycles (0.5C ,25°C)	3600 circle @80DoD		
Degree of protection	IP54		
Size(mm)	260*168*220	305*170*215	490*172*245
Weight	10kg	15kg	20kg