

# Lithium Iron Phosphate 12V Battery

12V 314A



## Main Features

- Extended Lifespan:**  
 Delivers over 8,000 full cycles with 80% capacity retention for 10+ years of stable performance.
- High Energy Density:**  
 Provides 4.02kWh energy with 19.8kg lightweight design for easy transport and installation.
- Precise Power Management:**  
 Optimized for 14.4V charging, stable 12.8V discharge, and 300A surge for heavy load startups.
- Robust Environmental Adaptability:**  
 Operates reliably from -20°C to 60°C with excellent thermal stability under extreme conditions.
- Space-Efficient and Flexible Design:**  
 Compact size with vertical and wall-mount options for versatile installation in tight spaces.

MODEL	LFP 12V 314A
Category	Details
Battery Type	Lithium iron phosphate battery (LiFePO4)
Model	12.8V 314AH
Battery capacity	12.8V 314AH (4019WH)
Input voltage	14.4±0.1V
Output voltage/current	12.8V 150A
Peak current	300A @10S
Life cycle	>8000 Cycles @0.5C Charge/Discharge at 100%DOD, End of Life 80% Capacity
Operating Temperature	-20 C ~60 C
Dimension	350x200x295 mm
Weight	19.8KG