

MERITSUN®

51.2V50KWH

Lithium iron phosphate battery



Power Your Home



7-inch touchscreen

You can directly see the various parameters of the system, which is very convenient



Bluetooth and wifi

Can be connected to other devices to monitor battery data in real time



5A active balancer

Maintaining consistency in battery charge and discharge performance without compromising efficiency

battery system length x width x height
=620mm*524mm*1050mm ±3mm

Interface Diagram



51.2V 50kwh

| | | |
|--------------------------------------|--|--------|
| Rated Capacity | Typical | 1000ah |
| | Minimum | 942ah |
| Nominal Voltage | 51.2 | |
| Voltage at end of Discharge | 44V | |
| Battery limit voltage | 57.6V | |
| Internal Impedance | ≤50mΩ | |
| Standard charge | Constant Current 200A | |
| | Constant Voltage 57.6V | |
| Standard discharge | Constant current 200A | |
| | end voltage 44V | |
| Fast charge | Constant Current 300A | |
| | Constant Voltage 57.6V | |
| Maximum Continuous Charge Current | 300A | |
| Maximum Continuous Discharge Current | 300A | |
| Operation Temperature Range | Battery storage ambient temperature (-10°C~45°C) | |
| | Charge quantity 30%~50% | |

Battery Module Performance Curve

