

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

Interface Diagram



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

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	$\leq 50\text{m}\Omega$	
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

