

BAT040

LITHIUM BATTERY MODULE



ES100

48V 105AH 5.04KWH

ES100II

48V 105AH 5.04KWH

OVERVIEW

ES100 is the latest 48V 105Ah lithium battery module provided by TBB power. It is designed for backup power and solar off-grid systems under residential, industrial and commercial energy storage systems. It has good compatibility, high-energy-density, fashionable design, and a safe long life cycle.

FEATURES & BENEFITS

- Safe lithium iron phosphate battery cell with a high-energy-density compact design
- Support up to 32 modules in parallel
- Support short-time high-current charge and discharge
- Advanced high capacity, 90% DOD and 6000 life cycles
- Support external can communication compatible with leading inverter brands
- Universal positive and negative terminals convenient for users to install
- Coming standard with 300A parallel bus bar
- Available with simple mounting brackets under cabinet with ip65 protection grade
- Equipped with intelligent BMS for each battery pack to manage modules effectively
- Practical pull ear design improves operation convenience

LITHIUM BATTERIES

RACK MOUNT LITHIUM BATTERY	ES100	ES100 II
Product Code	BAT040	
Nominal Voltage(V)	48	
Work Voltage Range(V)	42~54.75	
Nominal Capacity(Ah)	105	
Nominal Energy(kWh)	5,04	
Max Power(kW)	5,04	
2S Peak Power(kW)	5,76	
2S Peak Current(A)	120	
Charging Current(A)	52,5	
Maximum Charging Current(A)	105	
Discharge Current(A)	52,5	
Maximum Discharging Current(A)	105	
Cycle life	90%DOD,6000 cycles life	
Operating temperature	Discharge: -20°C~+55°C	
	Charge: 0°C~+55°C	
Recommended Operating Temperature	Discharge: +15°C~+30°C	
	Charge: +15°C~+30°C	
	Storage: 0°C~+35°C	
Altitude	<2000m	
Humidity	5%~95%	
Cooling method	Natural heat dissipation	
Protection Degree	IP20	
Dimension (mm)(L*W*H)	482.6*450*133.4	
Weight(kg)	40	
Standards	IEC62619/CE/UN38.3	
Warranty	7 Years + 3 Years*	

*Add 3 years to your warranty when you link your product to the NOVA App