

# BB-4850-150 1PRA-G5

## 48V50AH

### 3U RACK-MOUNT LITHIUM IRON PHOSPHATE BATTERY SYSTEM

BIRUBATT 4850, A POWERFULL 48V LIFEPO4 BATTERY PRODUCT, HAS BEEN DESIGNED TO PROVIDE POWER BACAUP FOR INDOR OR OUTDOR TELECOM SITE OR SOLAR POWER SYSTEM SITE, ACCORDING TO CUSTOMER NEEDS, PRODUCTS CAN BE EXPANDED IN PARALLEL TO MEET NEED OF THE MSC SITE, DATA CENTER ETC.

#### BENEFITS

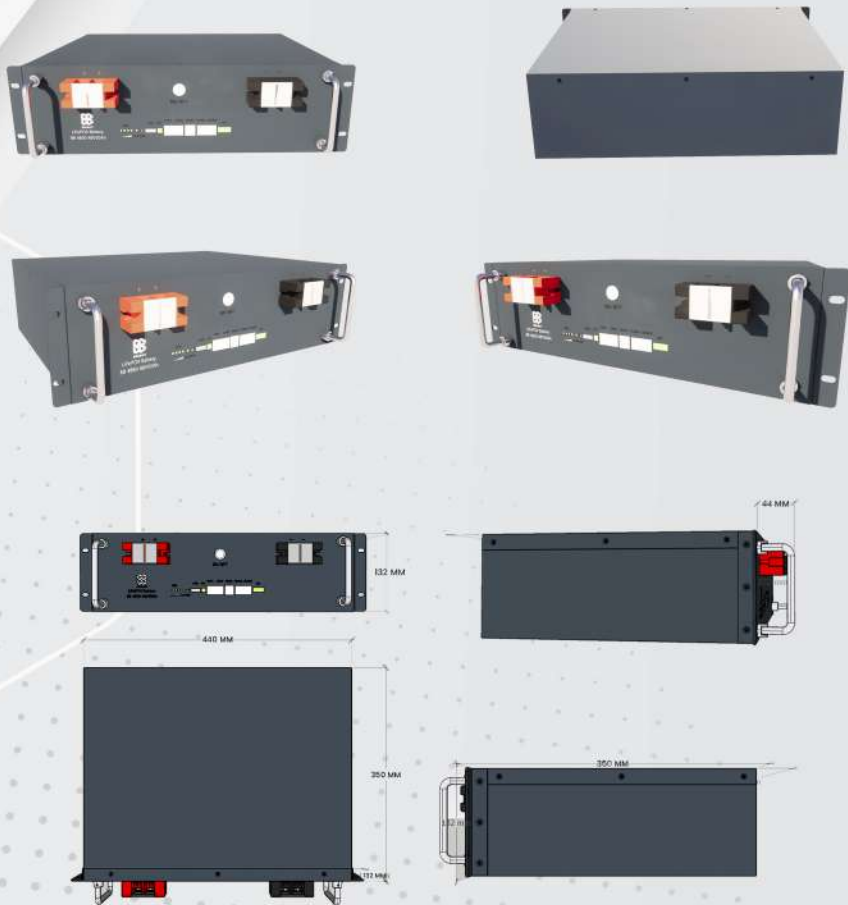
- INCRASHED ENERGY IN GIVEN SPACE
- EASY INSTALLATION AND UPSCALING
- HIGH OPERATIONAL RELIABILITY
- OPTIMIZED SUPERVISION STRATEGY TROUGH REMOTE CONTROL/DIAGNOSTIC
- EXCELLENT LONG SERVICE LIFE
- BUILT-IN INTELLIGENT BMS TO PROTECT THE BATTERY PACK AT ANY TIME AND PROLONG ITS SERVICE LIFE

#### STANDAR

A. PRODUCT	B. MS CERTIFICATION
IEC 60950	ISO 9001
IEC 62321	ISO 14001
IEC 62133	OHSAS 18001



# DIMENSION PACK



LiFePO4 Lithium-ion Battery



# SPECIFICATION



BIRUBATT

CELL SPECIFICATION		
Cell Models	BB 50AH	
Capacity	50Ah	
Rated Voltage	3.2V	
Typical Impedance	≤1mΩ	
Cell Material	LiFePO4	
PACK SPECIFICATION		
Combination Methode	1P15S	
Typical Capacity	50Ah	0.5C, Vmin :2.5V, 25±3°C
Nominal Voltage	48V	
Max. Charge Voltage	52.5V	
Discharge cut-off voltage	37.5V	
Max Charge current	0.5C	
Max Working current	1C	
Standard charge current	0.2C	
Standard discharge current	0.5C	
Pack Impedance standard	≤50mΩ	
Weight (Approx.)	≈27Kg	
Max. dimension (L×W×H) (mm)	350*440*133	
Operating temperature	0°C~55°C	Charge
	-20°C~55°C	Discharge
BMS SPECIFICATION		
Single cell over-charge cut-off voltage	3.65V	
over-charge release voltage	3.35V	
Single cell under-discharge cut-off voltage	2.5V	
Discharge release voltage	2.7V	
Over-discharge cut-off current	1.2C <sub>10</sub>	
Over-discharge cut-off current delay	5 S ± 1 S	
Short-circuit protection	500A	
Short-circuit protection delay	300uS	
Short-circuit protection release	Charging	
Balance current	50mA	
Balance Condition	≥3.45V,voltage difference 50mV	
communication protocol	RS485、CAN	