

BB-48100-1502PRA-G4

48v 100AH

3U RACK-MOUNT LITHIUM IRON PHOSPHATE BATTERY SYSTEM

BIRUBATT 48100, A POWERFULL 48V LIFEPO4 BATTERY PRODUCT, HAS BEEN DESIGNED TO PROVIDE POWER BACAUP FOR INDOR OR OUTDOR TELECOM SITE LIKE ACCESS TERMINALS, BASE TRANSCAVIERS STATIONS, BASE STATION CONTROLLERS, ACCORDING CUSTOMER NEEDS, PRODUCTS CAN BE EXPANDED IN PARALLERS TO MEET THE NEEDS OF THE MSC SITE, DATA CENTER ETC.

BENEFITS

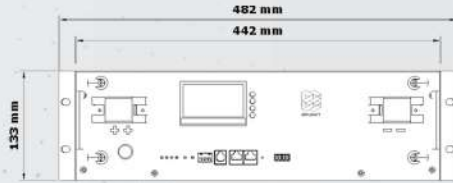
- INCRASHED ENERGY IN GIVEN SPACE
- EASY INSTALLATION AND UPSCALING
- HIGH OPERATIONAL RELIABILITY
- OPTIMIZED SUPERVISION STRATEGY TROUGH REMOTE CONTROL/DIAGNOSTIC
- EXCELLENT LONG SERVICE LIFE
- BUILT-IN INTELLIGENT BMS TO PROTECT THE BATTERY PACK AT ANY TIME AND PROLONG ITS SERVICE LIFE

STANDAR

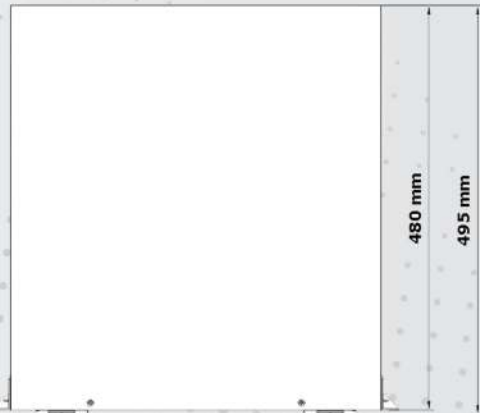
A. PRODUCT	B. MS CERTIFICATION
IEC 60950	ISO 9001
IEC 62321	ISO 14001
IEC 62133	OHSAS 18001



DIMENSION PACK



FRONT VIEW



TOP VIEW

LiFePO4 Lithium-ion Battery



Eco-friendly lithium battery



Over 3000 times cyclic charge-discharge



Over 8 years battery life span

SPECIFICATION

CELL SPECIFICATION

Cell Models	BB GLP50AH
Capacity	50Ah
Rated Voltage	3.2V
Typical Impedance	≤1mΩ
Cell Material	LiFePO4

PACK SPECIFICATION

Combination Methode	2P15S	
Typical Capacity	100Ah	0.5C, Vmin :2.5V, 25±3°C
Nominal Voltage	48V	
Max. Charge Voltage	55.5V	
Discharge cut-off voltage	37.5V~40.3V	
Max Charge current	0.5C	
Max Working current	1C	
Standard charge current	0.2C	
Standard discharge current	0.5C	
Pack Impedance standard	≤20mΩ	
Weight (Approx.)	≈45Kg	
Max. dimension (L×W×H) (mm)	480*442(482)*133	
Operating temperature	0°C~45°C	Charge
	-20°C~55°C	Discharge ¹

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	120A
Over-discharge cut-off current delay	5 S ± 1 S
Short-circuit protection	Yes
Short-circuit protection delay	500uS
Short-circuit protection release	Charging
Balance current	50mA
Balance Condition	≥3.5V, voltage difference 50mV
gyroscope	Yes
communication protocol	RS485, RS232

