

LiFePO4 BATTERY



KEY FEATURE



Safety

Self-developed LFP Battery
Safely proved by thousands of electric vehicles



Reliability

LFP R&D started from 2016
1,000+ systems in 10+ countries



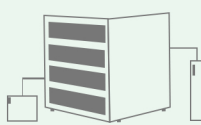
High Usable Capacity

90% usable capacity



Easy Installation

Pre-wired cabinet
3U format modular battery



Perfect Compatibility

Compatible with leading single
& three-phase inverter

LiFePO4 BATTERY



1 X JOLTA BATTERY



4 X JOLTA BATTERY

OR



16 X JOLTA BATTERY



TECHNICAL PARAMETERS **LiFePO₄** BATTERY

JB121200N - 12V



PERFORMANCE

Voltage (Nominal)	12.8 V
Maximum Charge Voltage	14.4 V
Discharge Cut-Off Voltage	10.4 V
Total Energy	1280 Wh
Total Current	100A
Continuous Discharge Current	50A
Continuous Charge Rate	50A
Cut off Current	2 A
ESR/AC @ 1KHZ	< 10 mΩ

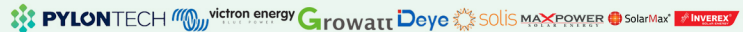
PHYSICAL SPECIFICATION

Weight	10 kg (Module) - 12 Kg (With Pack)
Module Casing Material	Molded Plastic
Terminal Type	M8
Dimensions (L x W x H)	260 x 165 x 215 mm
Dimensions (L x W x H) pack.	310 x 215 x 265 mm

FEATURES

Alarm	Alarm for under/Over Voltage-Over Current, Out of Range Temperature
-------	---

COMPATIBLE INVERTERS (All Inverters)



SERVICE LIFE

Projected Calendar Life ³	≥ 10 years
Shelf Life	5 Years

SAFETY PERFORMANCE ENVIRONMENT

Over/under voltage	Unit shut down
Over Current	Unit shut down
Over Temperature	Unit shut down
Cell Operating Temperature ³	-10°C to 60°C
Operating Humidity	Non-Condensing

ADDITIONAL

Parallel Connection	YES
Series Connection	Custom Option
Self-Discharge	2-3% month
Recommended Discharge Depth	80%

[1] DC Usable Energy, test conditions: 100% DOD, 0.2C charge & discharge at +25°C. System Usable Energy may vary due to system configuration parameters.

[2] Charge derating will occur between 0°C and +15°C.