

LITHIUM FERRO PHOSPHATE BATTERY PACKS

(12.8V 100Ah - 240V 900Ah)

Powering Homes.
Empowering Businesses.
Energizing Future.



Sustainable



Competitive price



Up to 5 years of
Warranty



Ultra
Long life



Zero
Maintenance



Reverse polarity
protection built-in



Compact & Lightweight
form factor

51.2V 100Ah

BATTERY MODEL: IBE512100

CELL

Type	Nominal Voltage	Nominal Capacity	Nominal C-Rate	Maximum C-Rate
LFP-Prismatic	3.2 V	100 Ah	C/2	1C

BATTERY

Voltage (V)	51.2V
Capacity (Ah)	100Ah
Max Voltage (V)	58.2V
Min Voltage (V)	43.2V
Charging Current (A)	50A
Max Continuous Discharging Current (A)	70A
Size (mm) L × W × H	650x360x220
Operating Temperature (°C)	Charge: 0°C ~ 55°C / Discharge: -20°C ~ 55°C
Cycle Life	5000 (25°C ± 2°C, 0.5C/0.5C, 90% DOD, 70% EOL)
Altitude	≤2000m
IP Rating of Enclosure	IP55
Storage Temperature	0 ~ 35°C
Weight (Kg)	53kg (Approx)
Interface Panel	4LED(SOC:25%~SOC100%) LCD(voltage, Current, Temperature, Cell voltage)
Humidity	5% ~ 90%
Wall Mounted Battery	Efficient Cooling System, Modular Design, Balance Monitoring, Energy Optimization.
Rack Mounted Battery	Scalable, Parallel Communication, Address Button, Compact & Space Saving, Ethernet, Fault Detection
Warranty Period	5 Years

Caution: It is recommended that the battery is charged only by a CC-CV charger approved by IB Energy.

* Dimensions are subject to variations as per chosen orientation, enclosure and BMS.

** Approximate weights may vary depending upon chosen orientation, enclosure and BMS.

*** Capacity at End-Of-Life will be 70% of Nominal capacity.

Disclaimer: This datasheet is a standard version of a pre-manufactured battery pack. Customization/Prototyping will change these mentioned parameters. This TDS is for informative purposes only and should not be used for any technical/commercial or legal claims.