

LITHIUM IRON PHOSPHATE BATTERY




DJ48-180

Easy to install on the floor or wall mounted

Suitable for wide range of inverters with 24/48V system



New Design

-  Modular design for easy scalable
Batter module can be easily stacked and added for energy expansion.
-  Fast charging
Batter module can be fully charged in shorer time.
-  100% DOD High performance
Use 100% of batter capacity

Display Screen



- 1----Menu button
- 2---Enter button
- 3----Down button
- 4----ESC button

Battery Specification

Web : www.bluejoysolar.com

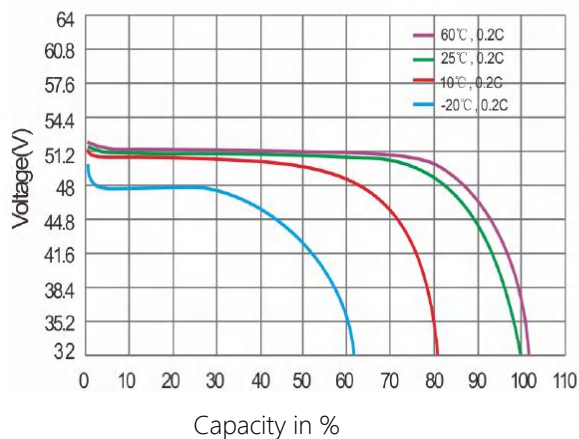
E-mail : sales@bluejoysolar.com

Tel : +86-191-5326-8325 (WhatsApp)

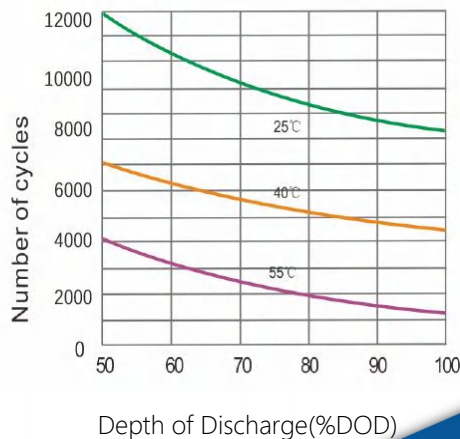
Add : B Zone,Industrial Technology Research Institute of Qingdao High-tech Zone,Shandong Province China

Mode	DJ48-180
Nominal Capacity	188Ah
Usable Capacity	9.63KWH
Charge Voltage	57.6-60VDC
Voltage Operation Range	44.8-58.4VDC
Display	Liquid crystal display
Ports	1x CAN-bus, 2x RS-485 Battery link ports, 1xRS232
Protection	BMS voltage protection, Current limiting
Type of Cell	LiFePO4(Squaresteel shell)
Max. Charge Current	100A/150A
Discharge Current	100A/150A
Max. Discharge Current	100A/150A(30 sec)
Operation Temperature	-10°C~+50°
Compatibal with Inverter	Growatt, Deye, Voltronic, Victron, Pylon, Sofar, SRNE
Cycle life (@0.2C ,25°C)	12000 times
Storage temperature	0 to 30°C
Parrallel	16pcs maximum
Safety standard	UN38.3, MSDS, CE
Warranty (@0.2C ,25°C)	10 years, 12000cycles
Size	588mm*670mm*160mm
Weight	70.86 kg

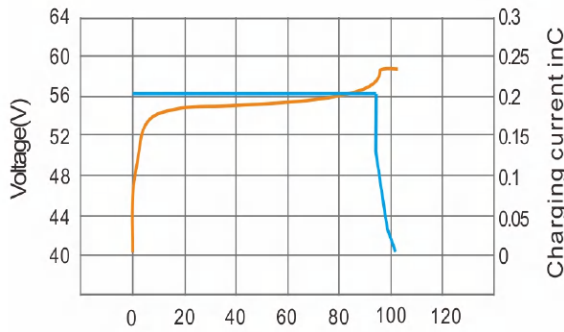
Discharge curves under different temperatures



Cycle life versus DOD and temperature at 0.2C

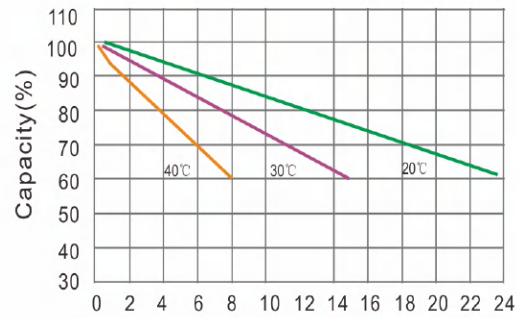


0.2C CC-CV charge characteristic



Charge capacity/Discharge capacity(%)

Self-discharge characteristic



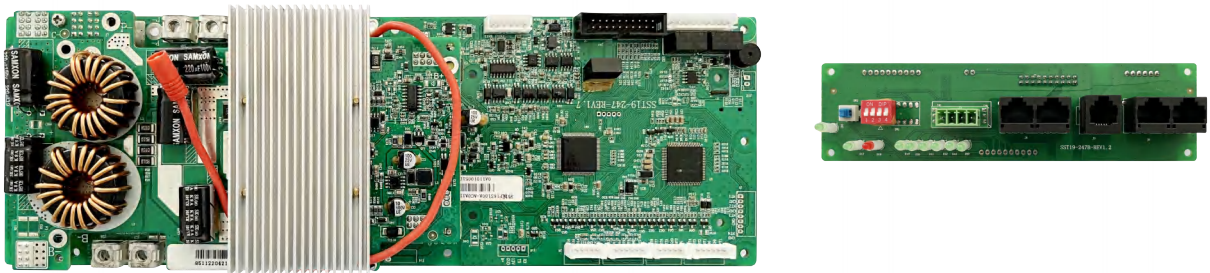
Storage time(months)

Advantages

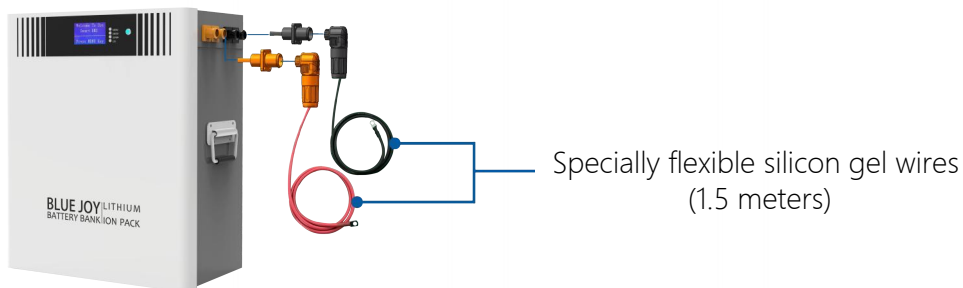
- ★ Stack or wall mounted design , easy to install.
- ★ Using lithium iron phosphate battery pack and long life span.
- ★ Dust-proof structure design, DC output, safe and reliable. The BMS compartment is easy to replace.
- ★ Integrated dangerous goods standard packaging, safe and convenient transportation.

BMS

Smart BMS with more protocol, can communicate with more brand inverters



Quick plug



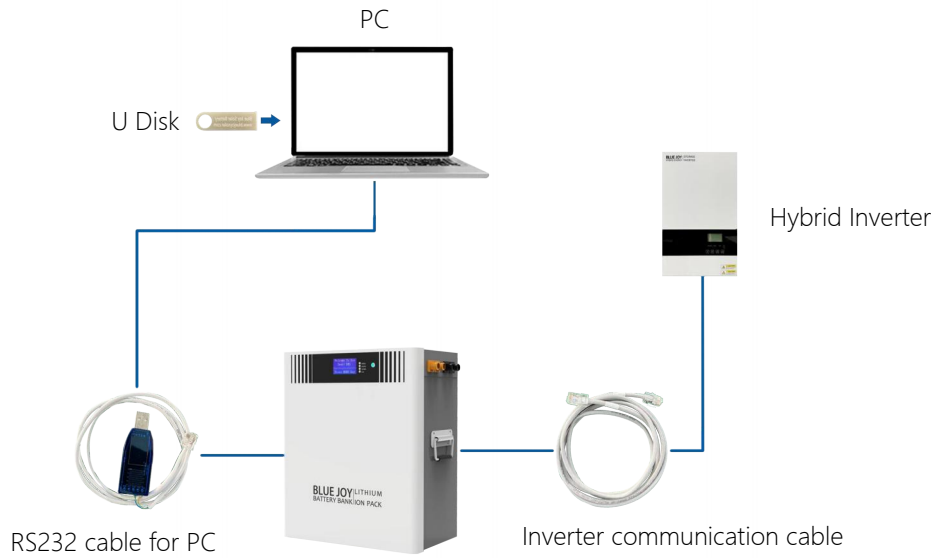
Easy connect & Take off

Web : www.bluejoysolar.com

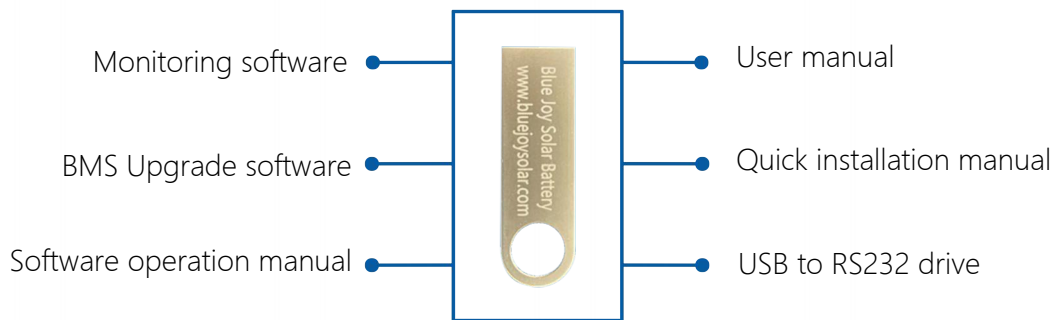
E-mail : sales@bluejoysolar.com

Tel : +86-191-5326-8325 (WhatsApp)

Add : B Zone, Industrial Technology Research Institute of Qingdao High-tech Zone, Shandong Province China



Inverter communication



The list of brands to communicate with	
CAN protocol	RS485 protocol
008-Deye CAN LV 1.0	001-PYLON RS485 LV V3.5
001-PYLON CAN Inverter EMS	036-WOW RS485 Modbus V1.3
007-GoodWe CAN Inverter LV V1.7	002-Growatt RS485 V2.01
005-SofarSolar CAN Inverter V5	003-Voltronic RS485 Inverter V1.5
001-PYLON CAN Inverter EMS (INVT)	
012-Luxpowertek CAN V1.0	
030-MUST CAN PV1800F	