DTP51100LP-HES-CT

Product features：

- Use safer lithium iron phosphate batteries(LiFePO4)
- Integrated Intelligent Battery Management System (BMS):
  - Prevent overcharge, overdischarge, and high current inside the battery to ensure battery safety and reliability.
  - Balance each battery to extend battery life.
  - With RS485 and CAN communication interfaces, it can meet the communication needs of different devices
- 3U chassis size, ultra-thin design
- With LCD display to display detailed battery parameters
- Compatible with most inverters on the market
- Mainly used in home energy storage system,support OEM/ODM

Electrical Characteristics

Nominal Voltage (V)	51.2V
Nominal Capacity（Ah)	100Ah@0.3C
Nominal Capacity (KWh)	5.12KWh
Cycle Life	≥6000 Cycles @0.3C/0.3C
Serial Number	16S1P
Commnication Port	RS485/CAN

Charging Parameters

Charge Voltage（V)	57.6V
Charge current（A)	30A（Recommend ）
Max Charge Current（A)	50A
Peak Charge Current（A)	100A
Charging Mode	Constant Current / Constant Voltage

Discharge Parameters

Discharge Cut-off Voltage	46.4V
Discharge Current	50A（Recommended）
Max Discharge Current	100A

Operating Environment

Charge Temperature	0℃ to 55℃
Discharge Temperature	-20℃ to 60℃
Storage Temperature	0℃ to 40℃

Other Parameters

Shell Material	Sheet metal chassis
Battery Size	483（L）*450（W）*134（H）mm
Pack Weight	42Kg
Protection Class	IP55
Installation Method	Rack Mounted
Certificate	UN38.3/MSDS/CE

Usage Note:

1. The charging voltage of the battery shall not exceed the parameters in the specification
2. When the battery is in use, the discharge voltage shall not be lower than the parameters in the specification, otherwise the low-voltage protection may be triggered
3. The charging current and discharging current of the battery shall not exceed the parameter range of the specification, otherwise the battery may be damaged

Compatible Invert list with DTP Battery

	Inverter Brand	Protocol version
1	Voltronic	Inverter and BMS 485 communication Protocol-2020/07/09
2	Schneider	Version2 SE BMS Communication Protocol
3	Growatt	Growatt BMS RS485 Protocol 1xSxxP ESS Rev2.01 Growatt BMS CAN-Bus-protocol-low-voltage-V1.04
4	SRNE	Technical specification Studer BMS Protocol V1.02_EN
5	Goodwe	LV BMS Protocol (CAN) for Solar Inverter Family EN_V1.5
6	KELONG	CAN communication protocol between SPH-BL series inverter and BMS
7	Pylon	CAN-Bus-protocol-PYLON-low-voltage-V1.2-20180408
8	SMA	SMAFSS-ConnectingBat-TI-en-20W

Note: 1.If the battery is abnormal with the inverter, please confirm the protocol version
2.If you use other brand inverters not listed in the list, please provide the protocol or inverter so as to test the compatibility with our battery before shipment.