

Energy Storage System

Technical Parameter

DDBGSG48120

48V 120Ah-5.76kWh

Lithium Battery Pack



1.Scope of application

This product is a 5.76kWh energy storage Lithium Ion Battery Pack (including BMS).

It consists of 13 series and 1 parallel cells. This product is suitable for DC load equipment with operating current $\leq 100A$.

1. Product description: 48V120Ah is an intelligent energy storage power supply product using Lithium Ion battery system. The main features of the product are as follows:

- 1) High energy density;
- 2) Ultra-long cycle life and low maintenance costs.
- 3) Equipped with RS485/RS232/CAN interface, which can realize data transmission and parallel networking.
- 4) Intelligent BMS system, equipped with host computer software to realize remote monitoring, alarm and shutdown functions.
- 5) Accurately measure SOC (remaining capacity/full charge capacity) and SOH (discharge capacity/nominal capacity).

2. Battery Specifications

Nominal Parameters	
Product	Lithium Battery Pack
Model	DDBGSG48120
Installation Mode	Wall Mounted
Rated Voltage	48V
Rated Capacity	120Ah
Energy	5.76kWh
BMS Brand	PACE
BMS Communication	RS485, RS232, CAN
Configuration	13S1P
Charge cutoff voltage	54V
Discharge cutoff voltage	40.5V
Life time(25°C)	15 years
Life cycles(80% DOD, 25°C)	6000 cycles
Maximum charging continuous current	100A
Maximum discharge continuous current	100A
Charging efficiency	$\geq 98\%$
Electricity charged in the shipped product	30%-50% SOC
Operating temperature	Charging: 0 ~ 55°C Discharge: -10 ~ 55°C
Storage temperature	- 20 ~ 60°C
Working humidity	10 ~ 85%
Storage humidity	10 ~ 85%
Dimensions (L x W x H)	About 530+-mm(L)*375+-mm+-mm(W)*147mm+-mm(H)
Carton packaging size(L x W x H)	About 600+-mm(L)*465+-mm+-mm(W)*245mm+-mm(H)
Weight	About 35kgs
Modules Connection	Maximum 16 in Parallel
Ingress Protection	IP 21
Battery packaging accessories	
Desiccant (5g) 2 Bag; User Manual 1 Set; Positive and negative power cables 1 Set; 1 meter with RJ45 connector 1 Pc; Mounting frame screw (M8*60mm) 4 Pc;	