

Home Energy Storage System

Technical Parameter

GX

51.2V 300Ah-15.36kWh

Lithium Ion Battery Pack



1.Scope of application

This product is a 15.36kWh energy storage lithium iron phosphate battery pack (including BMS).

It consists of 16 series and 1 parallel cells. This product is suitable for DC load equipment with operating current $\leq 120A$.

1. Product description: 51.2V300Ah is an intelligent energy storage power supply product using lithium iron phosphate 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 name	Lithium Battery Pack
Model	GX
Installation Mode	Removable
Rated Voltage	51.2V
Rated Capacity	300Ah
Energy	15.36kWh
Cell Brand	BYD 302AH
Cell Unit	3.2V302Ah
BMS Brand	PACE
BMS Communication	RS485, RS232, CAN
Configuration	16S1P
Charge cutoff voltage	57.6V
Discharge cutoff voltage	43.2V
Life time(25°C)	15 years
Life cycles(80% DOD, 25°C)	6000 cycles
Maximum charging continuous current	120Ah
Maximum discharge continuous current	120Ah
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 460+-mm(L)*240+-mm(W)*837+-mm(H)
Package size(L x W x H)	About 560+-mm(L)*330+-mm(W)*910+-mm(H)
Weight	About 120kgs
Modules Connection	Maximum 16 in Parallel
Ingress Protection	IP 21
Battery packaging accessories	
Desiccant (5g) 2Bag; User Manual 1Set; Positive and negative power cables 1Set; 1 meter with RJ45 connector 1Pc	