



## Solar Storage System 50kva 133.12kwh For Large-Scale Renewable Energy Storage And Backup Power Applications

Our Product Introduction

### Basic Information

- Place of Origin: SHENZHEN
- Brand Name: Daxin
- Certification: /
- Model Number: DX-BESS-50K130
- Minimum Order Quantity: 1 SET
- Packaging Details: Wooden case with pallet
- Delivery Time: 20-35 days
- Payment Terms: T/T
- Supply Ability: 6000-8000 Sets/month



### Product Specification

- Output Power/UPS Power (W): 50KW
- Grid Type: Three Phase
- IP Rating Of Enclosure: IP55
- Installation Style: Floor Mounted
- Number Of MPPT: 4
- LCD Display: Yes
- Highlight: Large Scale Solar Storage System, 50kva Solar Storage System, 133.12kwh Solar Storage System



### More Images



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## Product Description

### Solar Storage System 50kva 133.12kwh For Large-Scale Renewable Energy Storage And Backup Power Applications

#### Product introduction

The DX-BESS-50K130 is an advanced solar pv batteries solution designed for large-scale renewable energy storage and backup power applications.

As a leading solar pv batteries manufacturer, DX ENERGY utilizes high-voltage lithium iron phosphate (LiFePO<sub>4</sub>) battery technology to create an intelligent and safe system.

This modular solar pv batteries system features 133.12kWh of usable capacity from 13 battery modules 10.24KWH connected in series, operating at 400-800VDC.

It includes a built-in air conditioner to maintain temperatures below 40°C for optimal performance. An intelligent battery management system actively monitors and protects each solar pv batteries module, while the integrated energy management system supports key functions like black start and AC/DC coupling with solar PV.

With its cobalt-free, non-toxic LiFePO<sub>4</sub> chemistry and IP55 enclosure, this eco-friendly solar pv batteries system allows versatile indoor or outdoor installation.

As an innovative solar pv batteries solution from focused on intelligent and green technologies, the DX-BESS-50K130 delivers reliable, efficient and safe renewable energy storage.

It comes with a 10 year warranty. The 50kW hybrid inverter supports both on-grid and off-grid applications, with 4 MPPTs, peak efficiency of 97.6% and full compliance to safety and emissions standards.

#### Features:

##### 1. Intelligent temperature control

Built-in air conditioner, the maximum temperature of the battery is less than 40°C

##### 2. Reliable

Positive Balance Intelligent BMS, providing complete protection, can effectively extend cycle life of battery packs

##### 3. Flexible

EMS and BMS integrated technology, AC/DC power supply redundancy design, support black start function

##### 4. Safer

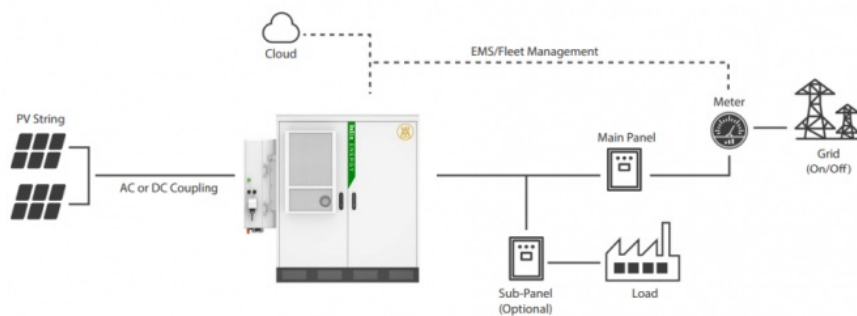
Prismatic Lithium Iron Phosphate (LFP) Battery, The battery pack and system adopt an aerosol fire extinguishing solution

Technical Parameters:

Model	DX-BESS-50K130
<b>System Specification</b>	
Nominal Output Power/UPS Power (W)	50000
AC Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three phase
Energy Configuration (kWh)	133.12
Dimension (W x D x H,mm)	1400x1000x1650 (no contain inverter)
Weight Appr. (kg)	~1500
AC Output Rated Current (A)	75.8
Battery Operating Voltage (V)	400 ~800
Battery Chemistry	LiFePO <sub>4</sub>
IP Rating of Enclosure	IP55
System Certification	UN38.3, IEC62619, CE, CEI 0-21, VDE-AR-N 4105, IEC 62109
Installation Style	Floor-Mounted
Warranty	10 years
<b>Battery Technical Specification</b>	
Battery Module Nominal Voltage (V)	665.6V
Battery Capacity	200Ah
Battery Energy (kWh)	133.12KWH
BMS Communication	CAN
BMS parallel support connection	3sets
Max charge current	100A
Max discharge current	100A
Battery system Weight (kg)	1420
Operating Temperature Range	Charge: 0 55°C / Discharge: -20°C 55°C
Cycle Life	≥6500(@25°C±2°C,0.5C/0.5C,70%EOL)
Battery Module Certification	CE, IEC62619, IEC62040, UN38.3, MSDS
<b>Protection</b>	
Short circuit protection	YES
Over current protection	YES
Over charge protection	YES
Over temperature protection	YES

Cell over voltage protection	YES
Cell under voltage protection	YES
Over discharge protection	YES

### System Diagram



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