



# Floor Type Energy Storage Battery

**KNY51300**



**IP65 Level**  
High level protection



**Safer to Use**  
High-density LiFePO4 battery



**Long Battery Life**  
6000 cycles life ( DoD 80% )



**15kwh Capacity**  
To meet more electricity needs



**Stable & Reliable**  
Advanced BMS management



**Widely Compatible**  
Compatible with mainstream inverters

**Model**

**KNY 51300**

## Basic Information

Nominal Voltage	51.2V DC
Voltage Range	44V-58.4V
Nominal Capacity	300Ah
Rated Capacity	15.36kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	15
Cycle Life	6000 cycles (@80% DoD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection

## Charging Parameters

Recommended Charging Current	100A
Max. Charging Current	200A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V

## Discharging Parameters

Recommended Discharging Current	100A
Max. Discharging Current	200A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	43.2V
Battery Recovery Voltage	48V

## General Parameters

Dimension	800*580*255mm
Gross/Net Weight	150kg/131kg
Shell Material	Sheet Metal
Protection Rating	IP65
Installation Method	Floor type
Cell Type	LiFePO4

## Certification & Safety Standard

Safety Certification	CE
Transportation Safety Certification	UN38.3,Class9

## Temperature Parameters

Discharging Temperature	-20~60°C
Charging Temperature	0~55°C
Storage Temperature	-20~45°C