KNYEE ENERGY

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

WHY CHOOSE US?

- Provide professional customized solutions.
- Belonging to the Fortune 500 Group.
- Localized and timely after-sales service plan.

WHO ARE WE ?

Knyee Energy belongs to the CHILWEE Group, one of the largest battery companies in China. We are a high-tech enterprise focusing on the production of energy storage batteries, mainly for research and development, production, sales of residential energy storage microgrid and commercial energy storage products, also providing total solutions.

CHILWEE Group has 32 industrial bases and more than 100 companies at home and abroad, which are located in Zhejiang, Jiangsu, Anhui, Jiangxi, Henan, Shandong, Hebei, Guangxi, Hunan, as well as Germany, France, etc.

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Group Honors
C H I L W E E

- Top 500_2023 Global New Energy Enterprises
- Top 10_New Energy Battery Industry in China
- China Patent Gold Award
- Top 500_Manufacturers in China
- Top 500_Private enterprises in China
- China Grand Awards for Industry

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/130kg
Shell Material	Sheet Metal
Protection Rating	IP65
Installation Method	Floor type
Cell Type	LiFePO4

Certification & Safety Standard

Safety Certification	CE
Temperature Safety Certification	UN38.3,Class9

Temperature Parameters

Discharging Temperature	-20∽65℃
Charging Temperature	0∽55℃
Storage Temperature	-20∽45℃