

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
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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℃
Charging Temperature	0~55℃
Storage Temperature	-20~45℃