

## Model

KNY 51100

### Basic Information

Nominal Voltage	51.2V DC
Voltage Range	40V-58.4V
Nominal Capacity	100Ah
Rated Capacity	5.12kWh
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	50A
Max. Charging Current	50A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V

### Discharging Parameters

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

### General Parameters

Dimension	600*480*189mm
Gross/Net Weight	55kg/52.6kg
Shell Material	Sheet Metal
Protection Rating	IP65
Installation Method	Wall-mounted + Floor type
Cell Type	LiFePO4

### Certification & Safety Standard

Safety Certification	CE
Temperature Safety Certification	UN38.3,Class9

### Temperature Parameters

Discharging Temperature	-20~65°C
Charging Temperature	0~55°C
Storage Temperature	-20~45°C