

# Residential Energy Storage

## All-in-one Hybrid inverter & Battery Storage

### All-in-One Design

IP65 design with integrated hybrid inverter, switch box, and battery modules. All wire connections are hidden elegantly and include automatic fire suppression system for higher safety.

### Strong Performance

- Includes SiC component, higher efficiency
- 100% three phase unbalance, output voltage difference is kept within 5%
- <10ms UPS switching time
- Integrate VPP DRED interface (AU)
- APP monitor and support OTA

### Modular Setting

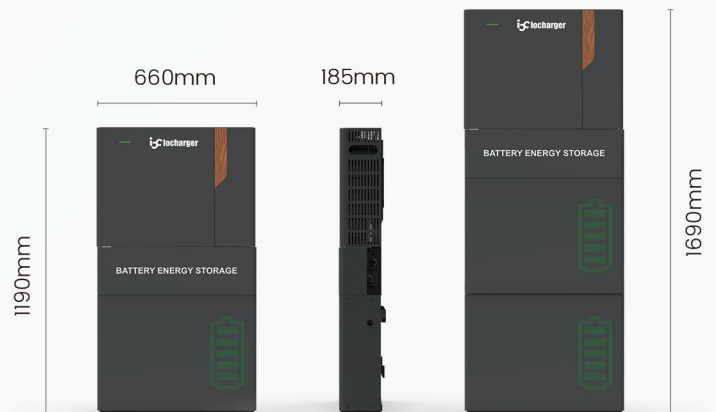
Each inverter supports up to 8 modules of battery (Max. 40kWh in increments of 5kWh). Supports up to 15 inverters in parallel.

### Elegant Design

The elegant and modern design is suitable to any home styles. Set up directly on the floor or mount it on a wall.

### Multiple Standards Support

EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, CEI



# Specification

Specifications are subject to change without notice.

## Inverter Side

Rated output power	6000W
Rated output voltage	220V/230V/240V
Rated output current	27.2A
Rated frequency	50Hz/60Hz

## Grid-tie Side

Input maximum current	27.5A
Input voltage range	184V~246V
Frequency range	45Hz~65Hz
Rated output power	6000W
Rated grid voltage	230V
Power grid output current	27.2A

## PV Side

Photovoltaic input parameters	9000Wp
Starting voltage	75V
Maximum input voltage	600V
MPPT voltage operating range	80V~550V
Full load MPPT voltage operating range	300V~500V
Number of MPPT	2
Rated voltage	360V
Maximum input current	13A/13A

## Battery Side

Battery capacity	5120Wh
Available capacity	4600Wh
Discharge depth	90%
Rated voltage	51.20 V
Operating voltage range	48V~57 V (90% DoD)
Battery internal resistance	≤ 30 mΩ (100 Ah)
Cycle life	6000 Cycles (80% DoD)
Maximum charging current	50 A (0.5 C)
Maximum discharge current	100 A (1 C)
Short-circuit current	300 A

## Efficiency

Maximum efficiency	98%
Maximum battery charging efficiency	94.60%
Maximum discharge efficiency of the batter	94.60%

## General Data

Dimension	1190H*660W*185D
Weight	65KG
Working temperature	-10°C~50°C
Cooling method	Natural Cooling
Fire protection	Aerosol module
IP level	IP65
BMS communication method	RS485, CAN
Electricity meter communication method	RS485
Monitoring communication	WiFi
Human-computer interaction mode	H5/LED/APP