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
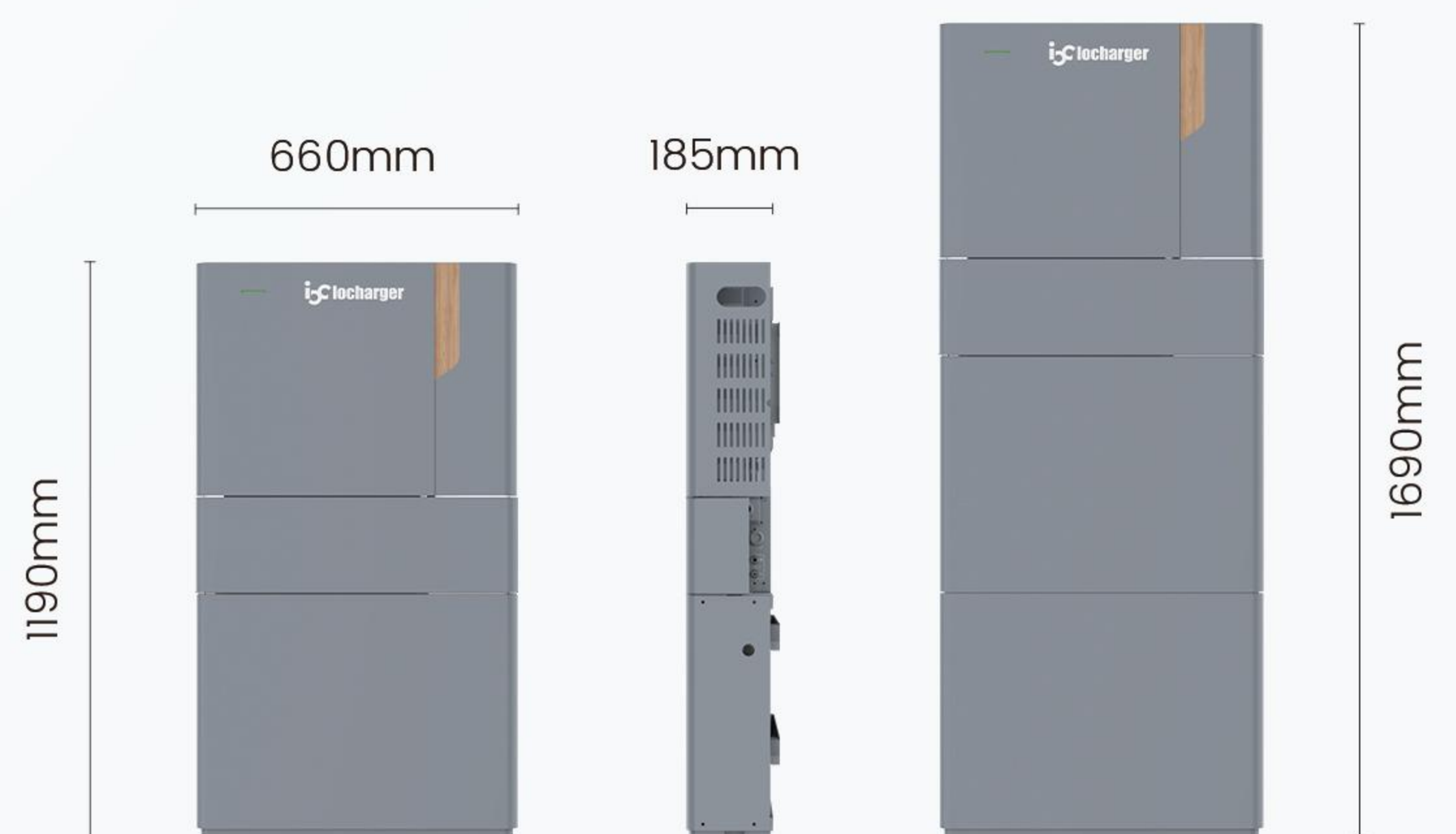
Modular Setting

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

660mm   185mm

1190mm   1690mm

Specification

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℃-50℃
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