

Residential 5.5KW Single-phase Inverter

LSHE-5.5K-SO-C

The LSHE-5.5K-SO-C inverter is designed for single-phase residential use, supporting solar panel and battery connecting. Integrated with off-grid function, it has reliable output capability and good load adaptability.



MPPT

Pure sine wave MPPT solar inverter Built-in 80/100A MPPT solar charger.



Battery

Battery equalization function helps extend lifecycle, and with reserved communication ports(RS485, CAN) for BMS.



Off-Grid

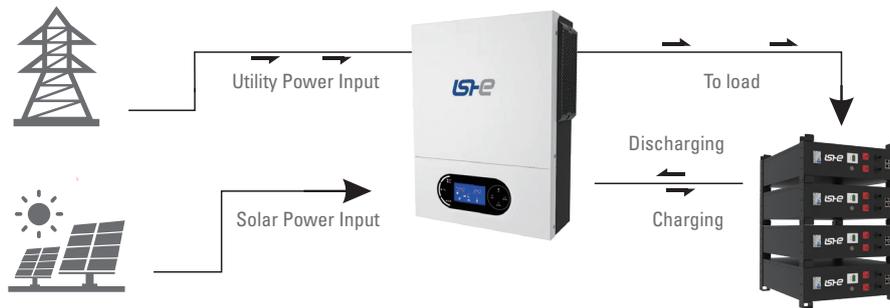
The series is suitable for off-grid applications.



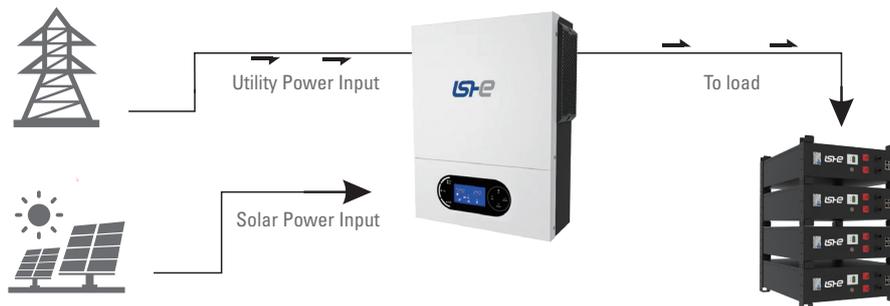
Easy access

High PV input voltage range also with touch buttons.

With battery connected



Without battery connected



Specifications

| | |
|-------------------------------|---------------------------------------------------------------------|
| Product Model | LSHE-5.5K-S0-C |
| AC Input | |
| Rated AC Power | 5500W |
| Rated Voltage | 230Vac \pm 5% |
| Voltage Range | 170-280Vac(For Personal Computers); 90-280VAC (For Home Appliances) |
| Rated Frequency | 50/60Hz |
| PV Input (DC) | |
| Max. PV Open Circuit Voltage | 500Vdc |
| Max. PV Power | 5500W |
| MPPT Voltage Range | 60 - 450Vdc |
| Max. PV Input Current | 100A |
| AC Output | |
| Rated AC Voltage | 230Vac \pm 5% |
| Surge Power | 11000W |
| Efficiency (Peak) | \geq 93.5% |
| Transfer Time | 10ms (For Personal Computers); 20ms (For Home Appliances) |
| Waveform | Pure sine wave |
| Battery Side Data | |
| Batery Voltage | 48Vdc |
| Floating Charge Voltage | 54Vdc |
| Overcharge Protection Voltage | 63Vdc |
| General Data | |
| Working Temperature | -10°C to 50°C |
| Relative Humidity | 5% to 95% (Non-condensing) |
| Size (WxHxD) | 400x300x115mm |
| Weight | 9Kg |
| Communicaton Interface | Standard: RS232; Optional: CAN&RS485 |
| Safety Standard | EN/IEC 62109-1, EN/IEC 62109-2 |