









LIV SMART HYBRID INVERTER

LIV SMART 3KW-6KW(24V-48V)

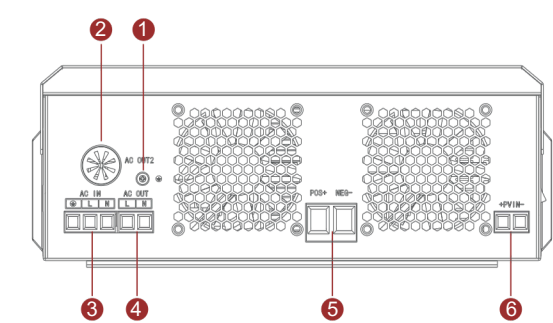
Product Features

- Support high Power Module with 27A PV Input Current.
- Dual output for smart load management.
- Remote Configuration & upgrade.
- Built-in communication port for BMS.
- Configurable AC/Solar input priority via LCD setting.



- 
Built-in Wifi(Optional)
- 
Built-in BMS
- 
Net Metering Feed into Grid
- 
Status Indication RGB LED Light
- 
LCD Display & Function Buttons
- 
Pure Sine Wave
- 
Overload Protection
- 
Short Circuit Protection

Conneation ports



1.

GND
2.

AC OUT 2(Optional)
3.

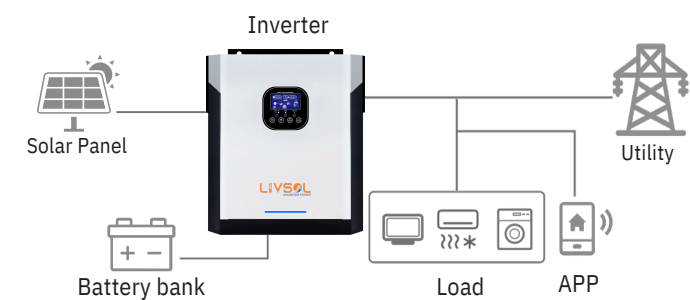
AC input
4.

AC output
5.

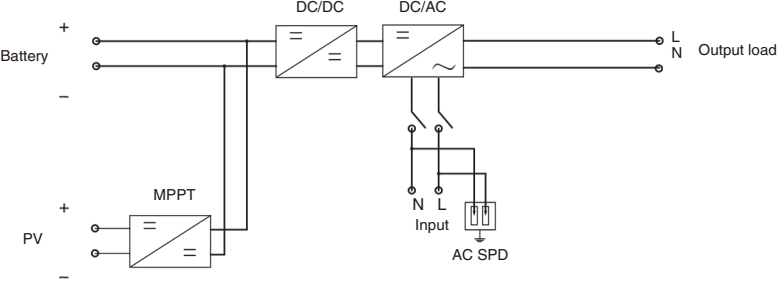
Battery
6.

Solar/PV

Solar system connection



Schematic diagram



| DATASHEET | 3KW | 6KW |
|----------------------------------------|-----------------------------------------------------------------------|------------------|
| RATED POWER | 3000W | 6000W |
| INPUT | | |
| Voltage | 230 VAC | |
| Selectable Voltage Range | 170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) | |
| MPPT Tracker Number | 1 | |
| Maximum input current of PV | 27 A | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | |
| OUTPUT | | |
| AC Voltage Regulation (Batt. Mode) | 230VAC ± 5% | |
| Surge Power | 6000VA | 12000VA |
| Efficiency (Peak) PV to INV | 97% | |
| Efficiency (Peak) Battery to INV | 94% | |
| Transfer Time | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances) | |
| Output Port | Dual output(Optional) | |
| Waveform | Pure sine wave | |
| BATTERY & AC CHARGER | | |
| Battery Voltage | 24 VDC | 48 VDC |
| Floating Charge Voltage | 27 VDC | 54 VDC |
| Overcharge Protection | 33 VDC | 61 VDC |
| Maximum Charge Current | 80 A(From grid) | 100 A(From grid) |
| SOC display | Shows battery State of charge in percentage and in voltage as well | |
| Sleeping Mode | YES | |
| Battery voltage low cut off selectable | 21V-24V | 42V-49V |
| Battery High voltage range selectable | 25V-30V | 50V-60V |
| Works without Battery | YES | |
| SOLAR CHARGER | | |
| Maximum PV Array Power | 3500W | 6000W |
| MPPT Range @ Operating Voltage | 60-430 VDC | 60-450 VDC |
| Maximum PV Array Open Circuit Voltage | 450 VDC | 500 VDC |
| Municipal electricity | 80 A | 120 A |
| Maximum Efficiency | 98% | |
| PHYSICAL | | |
| Dimension, D x W x H (mm) | 128*300*440 | |
| Net Weight (kgs) | 8.5 | 9.45 |
| Communication interface | USB/RS232/RS485/WIFI(Optional) | |
| LCD display | General LCD | |
| OPERATING ENVIRONMENT | | |
| Humidity | 5% to 95% Relative Humidity(Non-condensing) | |
| Operating Temperature | 0°C - 55°C | |
| Storage Temperature | -15°C - 60°C | |
| Waterproof grade | IP20 | |

Product specifications are subject to change without further notice.