# IL11000T-48L Plus

## 11KW 220V / 230Vac Output

## Features

- Built-in 2 MPPT
- Pure Sine Wave
- Dual AC output
- Power factor 1.0
- Built-in MPPT 160A
- PV Input 500Vdc Max
- Parallel max up to 6 units
- Capable to work without battery
- WIFI remote monitoring optional
- Detachable dust cover for harsh environment
- Support multiple output priority: SUB,SBU,SUF
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- EQ function to optimize battery performance and extend lifecycle




RGB LIGHTS
RGB Lights

2
Dual Outputs

MPPT
Dual MPPT

LCD
Colored LCD

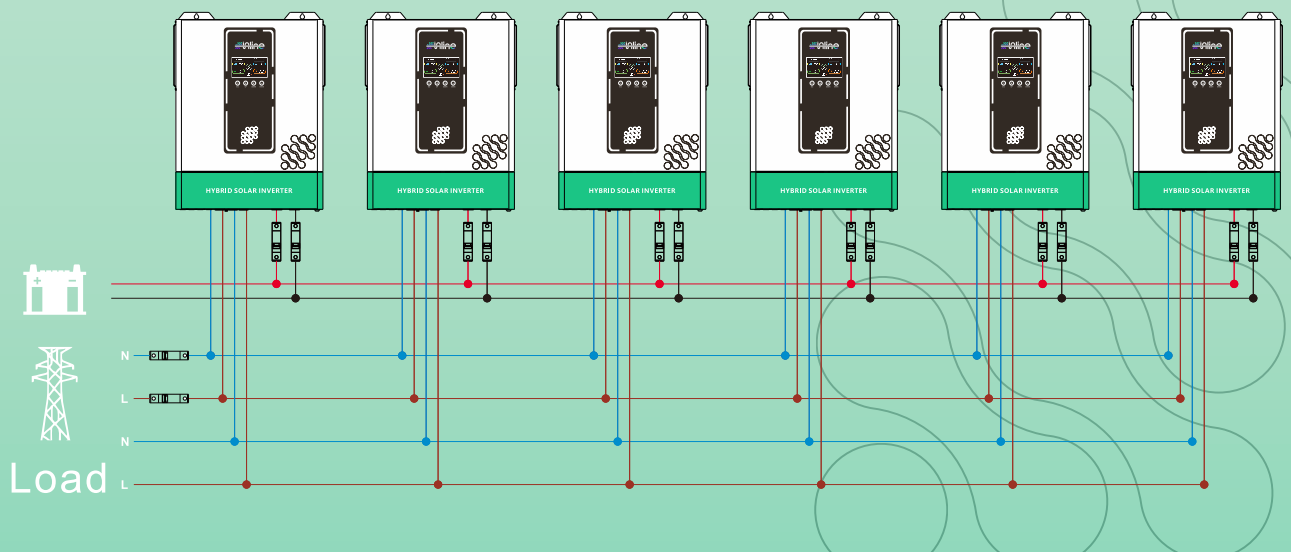
PV 60-500Vdc

Parallel 6 units

BMS
Lithium Battery Activation

RS232 RS485

## Parallel operation up to 6 units in 1phase or 3phase



# Technical Data

| MODEL | IL11000T-48L Plus |
|---|---|
| CAPACITY | 11KVA/11KW |
| Maximum PV Input Power | 11KW |
| Twin AC Output Function | YES |
| Maximum Main Output Power | 11KVA/11KW |
| Maximum Second Output Power | 5.5KVA/5.5KW |
| Maximum Total Output Power | 11KVA/11KW |
| Parallel Capability | YES, 6units |
| Lithium Battery Communication | YES(RS485) |
| Lithium Battery Activation | YES( By PV or Utility) |
| Built-in WIFI | Yes(internal WiFi) |
| **INPUT** | |
| Nominal Voltage | 230VAC |
| Acceptable Voltage Range | 170-280VAC(For personal Computer);90-280VAC(For Home Appliances) |
| Frequency | 50/60 Hz (Auto sensing |
| **OUTPUT** | |
| Nominal Voltage | 220/230/240VAC |
| Surge Power | 22000VA |
| Frequency | 50/60 Hz |
| Waveform | Pure Sine wave |
| Transfer Time | 10ms(For personal Computer);20ms(For Home Appliances) |
| Peak Efficiency (PV to INV) | 96% |
| Peak Efficiency (Battery to INV) | 93% |
| Overload Protection | 5s@ > =140% load; 10s@110%~140% load |
| Crest Factor | 3:1 |
| Admissible Power Factor | 0.6~1 (inductive or capacitive) |
| **BATTERY** | |
| Battery Voltage | 48VDC |
| Maximum Discharge Current | 220A |
| Floating Charge Voltage | 54VDC |
| OverCharge Protection | 63VDC |
| Charging Method | CC/CV |
| **Solar Charger & AC Charger** | |
| Solar Charger TYPE | MPPT |
| Max.PV Array Power | 5500W*2 |
| Max. PV Array Open Circuit Voltage | 500VDC |
| PV Array MPPT Voltage Range | 60VDC~500VDC |
| Max. Solar Input Current | 27A*2 (40A Max) |
| Max. Solar Charge Current | 160A |
| Max. AC Charge Current | 120A |
| Max. Charge Current | 160A |
| **PHYSICAL** | |
| Dimensions, D x W x H(mm) | 540*415*122 |
| Net Weight (Kgs) | 16.3 |
| Communication Interface | RS232/RS485/Dry-contact |
| LCD | YES |
| **ENVIRONMENT** | |
| Operating Temperature Range | -10°C to 55°C |
| Storage temperature | -15°C~ 60°C |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| Ingress Protection | IP21 |

Product specifications are subject to change without further notice.