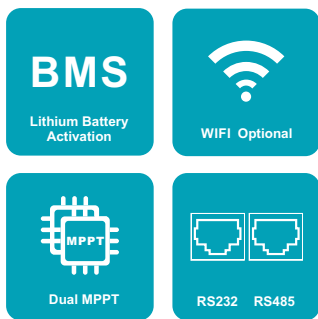




Model:SE11000-48L

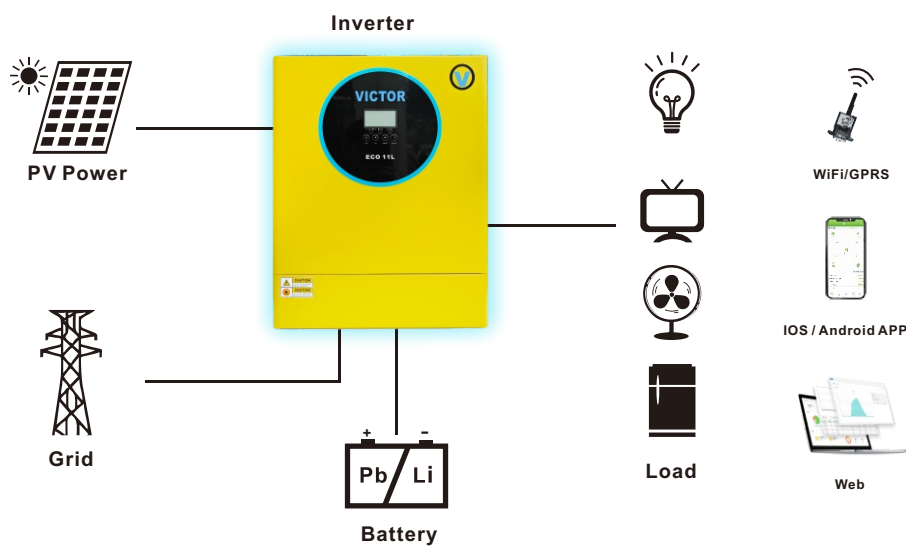
# SOLAR INVERTER

## 11KW 48V 220V / 230Vac Output

### Features

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

### System Diagram



### Technical Data

| MODEL                              | EM11000-48L                                                      |
|------------------------------------|------------------------------------------------------------------|
| Capacity                           | 11KVA/11KW                                                       |
| Maximum PV Input Power             | 11KW                                                             |
| Parallel Capability                | NO                                                               |
| Lithium Battery Activation         | YES ( By PV or Utility)                                          |
| Lithium Battery Communication      | YES(RS485)                                                       |
| 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                    | 94%                                                              |
| Overload Protection                | 5s@ > =140% load; 10s@110%~140% load                             |
| Admissible Power Factor            | 0.6~1 (inductive or capacitive)                                  |
| Grid-tie Operation                 | NO                                                               |
| 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           | 18A*2                                                            |
| 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)                   | 15                                                               |
| 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)                     |

Product specifications are subject to change without further notice.