

OFF GRID HYBRID INVERTER

EMT Pro Series 8.5 / 11KW
PV 60-500Vdc



RGB Lights



Dual Outputs



Dual MPPT



Colored LCD



PV 60-500Vdc



Anti-shock design terminal



Lithium Battery Activation

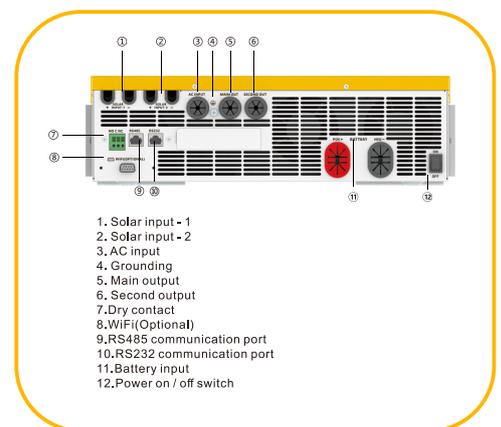


WIFI Optional



Features

- Dual output for smart load management
- Built-in 2 MPPT
- Colored LCD with RGB lights
- 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 140A/160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- Wifi remote monitoring optional
- Support multiple output priority: SUB,SBU,SUF
- EQ function to optimize battery performance and extend lifecycle



Technical Data

| MODEL | EM8500T-48L Pro | EM11000T-48L Pro |
|---------------------------------------|--|------------------|
| Capacity | 8.5KVA/8.5KW | 11KVA/11KW |
| Maximum PV Input Power | 10KW | 11KW |
| Parallel Capability | NO | 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 | 17000VA | 22000VA |
| Frequency | 50/60 Hz | |
| Waveform | Pure Sine wave | |
| Dual Outputs | YES | |
| 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) | |
| BATTERY | | |
| Battery Voltage | 48VDC | 48VDC |
| Maximum Discharge Current | 180A | 220A |
| Floating Charge Voltage | 54VDC | 54VDC |
| OverCharge Protection | 63VDC | 63VDC |
| Charging Method | CC/CV | |
| SOLAR CHARGER & AC CHARGER | | |
| Solar Charger TYPE | MPPT | MPPT |
| Max.PV Array Power | 5000W*2 | 5500W*2 |
| Max. PV Array Open Circuit Voltage | 500VDC | 500VDC |
| PV Array MPPT Voltage Range | 60VDC~500VDC | 60VDC~500VDC |
| Max. Solar Input Current | 18A*2 | 18A*2 |
| Max. Solar Charge Current | 140A | 160A |
| Max. AC Charge Current | 120A | 120A |
| Max. Charge Current | 140A | 160A |
| PHYSICAL | | |
| Dimensions, D x W x H(mm) | 540x403x122 | 540x403x122 |
| Package Dimensions,D x W x H(mm) | 637x495x214 | 637x495x214 |
| Net Weight (Kgs) | 14.5 | 14.8 |
| Communication Interface | RS232/RS485/DRY CONTACT | |
| LCD | Colorful Screen+RGB Light | |
| 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.

Shenzhen SMK New Energy Technology Co.,Ltd

Factory Add: 3rd Floor, Block 49, Baigongao Industrial Park, Longhua District, Shenzhen, Guangdong China

Tel: +86-755 23768132

E-mail: info@smksolar.com

Whatsapp/Wechat: +86 13528897663