# EMAX SERIES PURE SINE INVERTER

SINGLE-PHASESMART / ACİnverter

MODELS:
EMAX PRO 10.2 KW

## FEATURES

- Pure sine wave solar inverter (on/off Grid)
- Output power factor 1.0
- WIFI & GPRS available for iOS and Android
- Inverter can run without battery
- One-key restoration to factory settings
- Built-in Lithium battery automatic activation
- Built-in 160A MPPT solar charger (for 8.2kW, 10.2kW), 140A (for 7.2kW)
- High PV input voltage range (90~500VDC)
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- On Off Grid Work Mode
- Built Remove LCD Display and Key

### Kurulumu kolay

- Hızlı ve kolay kurulum
- Montajı kolay kompakt tasarım

### Güvenilir

- Akıllı enerji yönetimi
- UPS özelliği - kesintilerde güç sağlayabilme

### Kullanıcı dostu

- Kullanıcı dostu uygulama
- Arayüzü Wi-Fi ve Solar of Things uygulamaları ile çevrimiçi izleme

| MODEL | EMAX PRO-10.2KW |
|---|---|
| Phase | 1-phase |
| Maximum PV Input Power | 5400W+5400W |
| Rated Output Power | 10200W/10200VA |
| Maximum Solar Charging Current | 160A |
| **GRID-TIE OPERATION** | |
| **PV INPUT (DC)** | |
| Nominal DC Voltage/Maximum DC Voltage | 360/500VDC |
| Start-up Voltage / Initial Feeding Voltage | 90VDC/120VDC |
| MPPT Voltage Range | 90~450VDC |
| Maximum Input Current | 2/18A |
| **GRID OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240VAC |
| Output Voltage Range | 190~253VDC |
| Nominal Output Current | 44.3A |
| Power Factor | >0.99 |
| **EFFICIENCY** | |
| Maximum Conversion Efficiency (DC/AC) | 98% |
| **TWO LOAD OUTPUT POWER** | |
| Full Load | 10200W |
| Maxium Main Load | 10200W |
| Maxium Second Load(battery mode) | 3400W |
| Maxium Load Cut Off Voltage | 52VDC |
| Maxium Load Return Voltage | 54VDC |
| **OFF-GRID OPERATION** | |
| **AC INPUT** | |
| AC Start-up Voltage / Auto Restart Voltage | 120-140VAC/180VAC |
| Acceptable Input Voltage Range | 90-280VACor170-280VAC |
| Frequency Range | 49~51±1HZ |
| Maximum AC Input Current | 50A |
| **PV INPUT (DC)** | |
| Nominal DC Voltage/Maximum DC Voltage | 360/500VDC |
| MPPT Voltage Range | 90~450VDC |
| Maximum Input Current | 2/18A |
| **BATTERY MODE OUTPUT (AC)** | |
| Nominal Output Voltage | 220/230/240VAC |
| Output Waveform | Pure sine wave |
| Efficiency (DC to AC) | 94% |
| **BATTERY & CHARGER** | |
| Nominal DC Voltage | 48VDC |
| Maximum Solar Charging Current | 160A |
| Maximum AC Charging Current | 140A |
| Maximum Charging Current | 160A |
| **HYBRID OPERATION** | |
| **PV INPUT (DC)** | |
| Nominal DC Voltage/Maximum DC Voltage | 360/500VDC |
| Start-up Voltage / Initial Feeding Voltage | 90VDC/120VDC |
| MPPT Voltage Range | 90~450VDC |
| Maximum Input Current | 2/18A |
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| Maximum AC Charging Current | 140A |
| **GENERAL** | |
| **PHYSICAL** | |
| Dimension, D x W x H (mm) | 530*390*170 |
| Carton Dimension,D X W XH(mm) | 618*463*242 |
| Net Weight (kgs) | 16.2 |
| Gross Weight(kgs) | 16.8 |
| **INTERACE** | |
| Communication Port | RS232/RS485/WIFI/GPRS/LITHIUM BATTERY |
| **ENVIRONMENT** | |
| Humidity | 5% to 95% Relative Humidity(Non ~ condensing) |
| Operating Temperature | -10℃ ~ 50℃ |
| **STANDARD** | |
| Compliance Safety | CE |