

EXELON

DATASHEET EMAX PRO - 10.2 KW

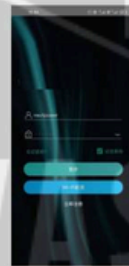


EMAX SERIES PURE SINE INVERTER

Single-Phase Smart/AC Inverter



Dual PV LCD Display



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

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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	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	190~253VDC	
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AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC	
Acceptable Input Voltage Range	90-280VACor170-180VAC	
Maximum AC Input Current	50A	
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°C ~ 50°C	
STANDARD		
Compliance Safety	CE	