

# electec<sup>®</sup>

Solar Off Grid Inverter



## PLUS DUO 5KW-48V

### Features

- Pure sine wave inverter
- Built-in 2 or 3 strings of MPPT solar charge controller depending on models
- Wide battery input range
- Selectable input voltage range for home appliances and personal computers
- Selectable high power charging current
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Optional remote panel available
- Multiple communication : USB & SNMP
- Parallel operation with up to 9 units





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### SPECIFICATIONS

MODEL	PLUS DUO 5KW-48V
Rated Power	5000VA/5000W
Parallel Capability	up to 9 units

### INPUT

Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)

### OUTPUT

AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Surge Power	10000VA
Efficiency (Peak)	90 % - 93 %
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave

### BATTERY

Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	60 VDC

### SOLAR CHARGER & AC CHARGER

Maximum PV Array Power	6000W
MPPT Range @ Operating Voltage	60 - 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
Maximum Charge Current	100 A
Maximum Efficiency	98%

### PHYSICAL

Dimension, D x W x H (mm)	194 x 295 x 455
Net Weight (kgs)	16
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact

### ENVIRONMENT

Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

All information contained in this document is subject to change without notice.