

EVO MPPT 5kW-48**Code 22851C**

- Detachable LCD control module with various communications: this LCD control module can be turned to remote panel. Users can install the LCD panel in accessible area away
- Integrated Bluetooth interface with Android App: Bluetooth interface ready for mobile monitoring. This technology allows wireless communication up to 6 ~ 7 m in an open space. WatchPower App is available on Google Store
- Supports USB On-the-Go function: to facilitate data upload/download
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS: this third generation inverter is reserved communication port for BMS
- Battery equalization extends lifecycle: this inverter charger is built-in battery equalization function that helps removing sulfation to optimize battery performance and also extend lifecycle
- Battery independency: inverter can keep supplying power to the loads from PV energy or the grid without battery connected
- User-friendly LCD operation: users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize performance
- Replaceable fan design: this simplifies the maintenance and reduces the costs

Technical Specifications

EVO MPPT 5KW-48	Code 22851C
Rated Power	5000 VA / 5000 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (for Personal Computers); 90-280 VAC (for Home Appliances)
Frequency Range	50/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Battery Mode)	230 VAC \pm 5%
Surge Power	10000 VA
Efficiency (Peak)	90 ~ 93%
Transfer Time	15 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	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	5000 W
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
Maximum Charge Current	100 A
PHYSICAL	
Dimensions DxWxH mm (")	115x300x400 (4.5x11.8x15.7)
Net weight kg (lbs)	10 (22)
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C