

# FullCircleSolar MAX TWIN Off-Grid Inverter



- Dual outputs for smart load management
- Maximum PV input current 27A
- Wide PV input voltage range 90VDC ~ 450VDC
- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Parallel operation up to 6 units



Dual Outputs



MODEL	MAX-TWIN 11KW
Rated Power	11000VA/11000W
Parallel Capability	Yes, 6 units
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	22000VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Power	11000W (5500W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27 A x 2 (Max. 40A)
Maximum Solar Charge Current	150 A
Maximum AC Charge Current	150 A
Maximum Charge Current	150 A
<b>PHYSICAL</b>	
Dimension,DxWxH (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact
<b>ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 55°C
Storage Temperature	-15°C - 60°C
<b>STANDARD</b>	
Compliance Safety	CE

Product specifications are subject to change without further notice.