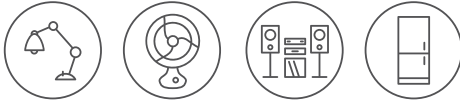




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SYN-AXP MAX-11.0K-48

MPPT



# MAX II TWIN Solar Inverter

## FEATURES

- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 90VDC ~ 450VDC
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is 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
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on
- Parallel operation with 6 units

|                                       |  |
|---------------------------------------|--|
| <b>MODEL</b>                          | <b>MAX II TWIN 11K</b>   |
| <b>RATED POWER</b>                    | 11000VA/11000W   |
| <b>PARALLEL CAPABILITY</b>            | YES, 6 units   |
| <b>INPUT</b>                          |  |
| Voltage                               | 230 VAC  |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers)<br>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)                     | 93%  |
| Transfer Time                         | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances)             |
| Waveform                              | Pure sine wave   |
| DC Voltage                            | 12 VDC ± 5%, 100W  |
| <b>BATTERY</b>                        |  |
| Battery Voltage                       | 48 VDC   |
| Floating Charge Voltage               | 54 VDC   |
| Overcharge Protection                 | 63 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              | 27A x 2 (MAX 40A)  |
| Maximum Solar Charge Current          | 150A   |
| Maximum AC Charge Current             | 150A   |
| Maximum Charge Current                | 150A   |
| <b>PHYSICAL</b>                       |  |
| Dimension, D x W x H (mm)             | 158.4 x 503.6 x 530.8  |
| Net Weight (kgs)                      | 20   |
| Communication Interface               | USB/RS232/RS485/WiFi/Dry-contact   |
| <b>OPERATING ENVIRONMENT</b>          |  |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                              |
| Operating Temperature                 | -10°C to 50°C  |
| Storage Temperature                   | -15°C to 60°C  |
| <b>STANDARD</b>                       |  |
| Compliance Safety                     | CE   |

Product specifications are subject to change without further notice.