

## Soalr Inverter

### FEATURES

- Dual inputs and dual outputs for smart energy management
- Built-in 2.8" colored LCD with power lighting indicators
- Built-in WiFi with APP for mobile monitoring and OTA firmware upgrade
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- External CT sensor to guarantee 100% self-consumption
- Built-in meter calibration for optimized system operation
- Support external BTS (Battery Temperature Sensor) detection
- Support optional GFCI, Rapid shutdown, AFCI detections
- Built-in anti-dust kit
- Parallel operation with 6 units



|                                       |                                                                          |
|---------------------------------------|--------------------------------------------------------------------------|
| <b>MODEL</b>                          | STS-HYMI-4815110P                                                        |
| <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 $\pm$ 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 $\pm$ 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                | 12000W (6000W 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)             | 145x 438 x 553.6                                                         |
| Net Weight (kgs)                      | 19.5                                                                     |
| Communication Interface               | USB/RS232/RS485/WiFi/Dry-contact/BTS                                     |
| External Current Sensor Port          | Support optional GFCI, Rapid shutdown, AFCI detection<br>Yes, built-in   |
| <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.