

## Suntronic Plus 15000

### On-Grid Inverter with Energy Storage

- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable battery charging current suits different types of batteries
- Programmable operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in timer for various on/off operation modes
- Multiple communication for USB, RS-232, Modbus and SNMP
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units



<b>MODEL</b>	<b>Suntronic Plus 15000</b>
<b>PHASE</b>	3-phase in / 3-phase out
<b>MAXIMUM PV INPUT POWER</b>	22500 W
<b>RATED OUTPUT POWER</b>	15000 W
<b>MAXIMUM CHARGING POWER</b>	15000 W
<b>GRID-TIE OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 37.65A; B: 18.6A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 265 VAC* per phase
Nominal Output Current	21.7A per phase
Power Factor	> 0.99
<b>EFFICIENCY</b>	
Maximum Conversion Efficiency (DC/AC)	96%
European Efficiency@ Vnominal	95%
<b>OFF-GRID OPERATION</b>	
<b>AC INPUT</b>	
AC Start-up Voltage/Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	40 A
<b>PV INPUT (DC)</b>	
Maximum DC Voltage	900 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 37.65A; B: 18.6A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Waveform	Pure Sinewave
Efficiency (DC to AC)	91%
<b>HYBRID OPERATION</b>	
<b>PV INPUT (DC)</b>	
Nominal DC Voltage / Maximum DC Voltage	720 VDC / 900 VDC
Start-up Voltage / Initial Feeding Voltage	320 VDC / 350 VDC
MPP Voltage Range	400 VDC ~ 800 VDC
Number of MPP Trackers / Maximum Input Current	2 / A: 37.65A; B: 18.6A
<b>GRID OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Output Voltage Range	184 - 264.5 VAC* per phase
Nominal Output Current	21.7A per phase
<b>AC INPUT</b>	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC per phase / 180 VAC per phase
Acceptable Input Voltage Range	170 - 280 VAC per phase
Maximum AC Input Current	40 A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	230 VAC (P-N) / 400 VAC (P-P)
Efficiency (DC to AC)	91%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Charging Current	Default 60A, 5A-300A (adjustable)
<b>GENERAL</b>	
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	219 x 650 x 820
Net Weight (kgs)	62
<b>INTERFACE</b>	
Communication Port	RS-232/USB and CAN Interface
Intelligent Slot	Optional SNMP, Modbus and AS-400 cards available
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (Non-Condensing)
Operating Temperature	-10 to 55°C
Altitude	0 ~ 1000 m**

Product specifications are subject to change without further notice.