

MODEL		SUNTRONIC PV 7000 PRO	
Rated Output Power		6000W	
Phase		1-phase in / 1-phase out	
Maximum Pv Input Power		7000W	
Maximum Charging Power		6000W	
Grid-Tie-Operation			
Pv Input (DC)			
Nominal DC Voltage / Maximum DC Voltage		360 VDC / 500 VDC	
Start-up Voltage / Initial Feeding Voltage		110VDC / 120 VDC	
MPP Voltage Range		120 VDC - 430 VDC	
Number of MPP Trackers / Maximum Input Current		1 / 27 A	
Grid Output (AC)			
Nominal Output Voltage		220/230/240 VAC	
Output Voltage Range		184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	
Nominal Output Current		26A	
Power Factor		> 0.9	
Efficiency			
Maximum Conversion Efficiency (DC/AC)		96%	
AC Input (Off-Grid Operation)			
AC Start-up Voltage / Auto Restart Voltage		120 - 140VAC / 180VAC	
Acceptable Input Voltage Range		90 - 280 VAC or 170 - 280VAC	
Maximum AC Input Current		40 A	
Pv Input (DC)			
Maximum DC Voltage		500 VDC	
MPP Voltage Range		120 VDC - 430 VDC	
Number of MPP Trackers / Maximum Input Current		1 / 27A	
Battery Mode Output (AC)			
Nominal Output Voltage		Output Waveform	Efficiency (DC to AC)
220/230/240 VAC		Pure sinewave	93%
Pv Input (DC) Hybrid Operation			
Nominal DC Voltage / Maximum DC Voltage		Start-up Voltage / Initial Feeding Voltage	MPP Voltage Range
360 VDC / 500 VDC		110VDC / 120 VDC	120 VDC - 430 VDC
Number of MPP Trackers / Maximum Input Current			
1 / 27A			
Grid Output (AC)			
Nominal Output Voltage		Output Voltage Range	Nominal Output Current
220/230/240 VAC		184 - 264.5 VAC or 195.5 - 253 VAC (Selectable)	26A
AC Input			
AC Start-up Voltage / Auto Restart Voltage		Acceptable Input Voltage Range	Maximum AC Input Current
120 - 140 VAC / 180 VAC		90 - 280 VAC or 170 - 280 VAC	40A
Battery Mode Output (AC)			
Nominal Output Voltage		Efficiency (DC to AC)	
220/230/240 VAC		93%	
Battery & Charger			
Nominal DC Voltage	Maximum Solar Charging Current	Maximum AC Charging Current	Maximum Charging Current
48 VDC	120A	120A	120A
General (Physical)			
Dimension, D x W x H (mm)		Net Weight (kgs)	
140 x 295 x 468		12	
Interface			
Parallel Function		Communication Port	
Yes, 9 units		USB/RS232/RS485/Wifi/Dry-contact	
Environment			
Humidity		Operating Temperature	
0 ~ 90% RH (Non-condensing)		-10 to 50°C	