



MaxPower SUNTRONIC 6000 DUO

Rated Power 6000W

Programmable dual output

INPUT Maximum PV input current 27A

PV Power Max . PV Array Power 6500W

MPPT MPPT Range @ Operating Voltage 120 ~ 430VDC

Parallel Operation upto 9 Units

Built in WIFI/BMS



Hybrid Inverter

Datasheet

MODEL	SUNTRONIC 6000
Max. PV Array Power	6500W
Rated Output Power	6000W
Maximum PV Array Open Circuit Voltage	450 VDC
PV input voltage range	120 VDC ~ 450 VDC
MPPT Range @ Operating Voltage	120 VDC ~ 430 VDC
Maximum PV input current	27A
Number of MPP Tracker	1
GRID-TIE OPERATION	
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	21.7A
Power Factor range	0.9 lag ~ 0.9 lead, default 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/AC)	96%
OFF-GRID/HYBRID OPERATION	
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	40 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
Maximum Charge Current	100 A
GENERAL	
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12
INTERACE	
Parallel Function	Yes, 9 units
Communication Port	RS232/Dry-Contact/WiFi
ENVIRONMENT	
Humidity	0 ~ 95% RH (No condensing)
Operating Temperature	0 to 50°C

Product specifications are subject to change without further notice.