



SUNT-6.0/8.0/10.0kW-S

HYBRID INVERTER



Built-in
WiFi/Bluetooth



AC Couple with
Micro/String Inverter



5 Sec Real-Time
Cloud Monitoring



IP65: Dustproof
and Waterproof



Generator
Compatible



Works with or
without Battery



75²cm LCD
Touchscreen



Up to 6 Units
in Parallel



Sell Back to Grid

Technical Parameter	SUNT-6.0kW-S	SUNT-8.0kW-S	SUNT-10.0kW-S
Battery Input (DC Input)			
Supported Battery Type	LiFePO4 or Lead-Acid		
Battery Input Voltage Range (V)	40~60		
Max. Charge Voltage (V)	60 (Configurable)		
Max. Charge Current (A)	120 (Configurable)	150 (Configurable)	180 (Configurable)
Max. Discharge Current (A)	130 (Configurable)	180 (Configurable)	240 (Configurable)
Battery Capacity (Ah) (Recommend)	100~2000		
Charge for LiFePO4 Battery Pack	Communicating with BMS of the Battery Pack		
PV String Input (DC Input)			
Max. DC Input Power (W)	9600	12000	15000
Max. DC Input Voltage (V)	500		
MPPT Voltage Range (V)	120~450		
Start-Up Voltage (V)	150		
Max. Input Current (A)	18x2 =36 2 MPPT	28x2 =56 2 MPPT	28x2 =56 2 MPPT
AC Output (Back-Up) Feed to Essential Load			
Max. Output Power (W)	6000	8000	10000
Max. Output Apparent Power (VA)	6000	8000	10000
Peak Output Apparent Power (VA)	12000	16000	20000
Max. Output Current (A)	27	36	45
Nominal Output Votage (Vac)	220/230/240 (Configurable) Single Phase		
Nominal Output Frequency (Hz)	50/60 (+/-0.2%) (Configurable)		
Max. Bypass Current (A)	40	42	63
Shift Time (Bypass and Inverter) (ms)	10		
Output THD (Resistor Load)	<3%		
AC Input (On-Grid) Bypass to Essential Load/Charge the Battery/Feed to Home Load			
Max. Input Power (W)	6000	8000	10000
Bypass to Essential Load/Charge the Battery			
Max. Output Power (W)	6000	8000	10000
Feed to Home Load			
Max. Apparent Input Power (VA)	6000	8000	10000
Bypass to Essential Load/Charge the Battery			
Max. Apparent Output Power (VA)	6000	8000	10000
Feed to Home Load			
Nominal Input/Output Voltage (V)	220/230/240 (Auto Adjusted to Fit Home Grid) Single Phase		
Nominal Input/Output Frequency (Hz)	50/60 (Auto Adjusted to Fit Home Grid)		
Max. Bypass Current (A)	40	42	63
Shift Time (Bypass and Inverter) (ms)	10		
Efficiency			
Max. Efficiency	97.60%		
Max. Battery to Load Efficiency	94.0%		
Europe Efficiency	97.60%		
MPPT Efficiency	99.9%		
Protection			
Integrated	Battery Over Charge Protection, Battery Low Voltage Protection, Over Temperature Protection , Output Overload Protection, Output Short Circuit Protection, Output Over Voltage Protection		
Certifications & Standards			
Grid Regulation & Safety/EMC Regulation	VDE-AR-N 4105; UNE 217001; G100; EN 50549-1; IEC 61727; IEC 62116; IEC 61683; IEC/EN 61000-6-1/3; IEC/EN 62109-1/2		
General Data			
Operating Temperature Range	-25°C~60°C (>35°C Derating)		
Protection Degree	IP65		
Size (LxWxH) (mm)	402×227×538	452×254×563	501×264×642
Net Weight (kg)	26	30	46