



SUNT-3.6/4.0kW-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-3.6kW-S	SUNT-4.0kW-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)	60 (Configurable)	70 (Configurable)
Max. Discharge Current (A)	80 (Configurable)	90 (Configurable)
Battery Capacity (Ah) (Recommend)	70~1000	
Charge for LiFePO4 Battery Pack	Communicating with BMS of the Battery Pack	
PV String Input (DC Input)		
Max. DC Input Power (W)	7200	8000
Max. DC Input Voltage (V)	500	
MPPT Voltage Range (V)	120~450	
Start-Up Voltage (V)	150	
Max. Input Current (A)	15x2 =30 2 MPPT	
AC Output (Back-Up) Feed to Essential Load		
Max. Output Power (W)	3600	4000
Max. Output Apparent Power (VA)	3600	4000
Peak Output Apparent Power (VA)	7200	8000
Max. Output Current (A)	16	18
Nominal Output Votage (Vac)	220/230/240 (Configurable) Single Phase	
Nominal Output Frequency (Hz)	50/60 (+/-0.2%) (Configurable)	
Max. Bypass Current (A)	40	
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)		
Bypass to Essential Load/Charge the Battery	3600	4000
Max. Output Power (W)		
Feed to Home Load	3600	4000
Max. Apparent Input Power (VA)		
Bypass to Essential Load/Charge the Battery	3600	4000
Max. Apparent Output Power (VA)		
Feed to Home Load	3600	4000
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	
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)	352×227×488	352×227×488
Net Weight (kg)	20	20