

HYBRID INVERTER



- 01 UPS 4ms industry-leading Switchover Time
- 02 Battery discharge Current up to 130A
- 03 Max Efficiency up to 97.6%
- 04 Competitive Energy Density-Smaller Dimension, Higher Power
- 05 Special Cable Design And Fully Compatible with Complex Rooftop
- 06 MPPT Voltage Range from 120-450V

SUNT - 6.0KW - T	
Battery Input Parameters	
Supported battery type	Li-Ion or Lead-acid
Battery input voltage range(V)	40~60
Max. charge voltage (V)	≤60 (Configurable)
Max. charge current (A)	100 (Configurable)
Max. discharge current (A)	130 (Configurable)
Battery capacity (Ah)(Recommend)	100~2000
Charge for Li-Ion battery pack	Communicating with BMS of the battery pack
PV String Input Parameters	
Max. DC input power (W)	8000
Max. DC input voltage (V)	500
MPPT voltage range (V)	120~450
Start-up voltage (V)	150
Max. input current (A)	24
AC Output Parameters (Back-Up) Feed to essential load	
Max. output power (W)	6000
Max. output apparent power (VA)	6000
Peak output apparent power (VA)	12000
Max. output current (A)	26
Nominal output frequency/voltage	50/60(+/-0.2%)Hz; 220/230/240 (Configurable) single phase
Max. Bypass Current(A)	40
Shift Time(Bypass and inverter) (ms)	10
Output THD (Resistor load)	<3%
AC input parameters (On-grid) Bypass to essential load/ Charge the battery/ Feed to home load	
Max. input power (W)	
Bypass to essential load/Charge the battery	6000
Max.output power (W)	
Feed to home load	6000
Max. apparent input power (VA)	
Bypass to essential load/Charge the battery	6000
Max. apparent output power (VA)	
Feed to home load	6000
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	97.6%
Max. Battery to Load Efficiency	94.0%
Europe Efficiency	97.0%
MPPT Efficiency	99.9%
Protection	
Integrated	Battery over charge protection, Battery low voltage protection, Over temperature protection, Output over load protection, Output short circuit protection, Output over voltage protection
Certifications & Standards	
Grid regulation	VDE-AR-N4105, UNE217001,G100
Safety EMC/ Regulation	IEC/EN61000-6-1/3; IEC/EN62109-1/2

