

HYBRID INVERTER



- 01 UPS 4ms industry-leading Switchover Time
- 02 Battery discharge Current up to 120A
- 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 - 3.6KW-T | SUNT -5.5KW-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) | 60 (Configurable) | 90 (Configurable) |
| Max. discharge current (A) | 80 (Configurable) | 120 (Configurable) |
| Battery capacity (Ah)(Recommend) | 70~1000 | 100~1500 |
| Charge for Li-Ion battery pack | Communicating with BMS of the battery pack | |
| PV String Input Parameters | | |
| Max. DC input power (W) | 4500 | 6800 |
| Max. DC input voltage (V) | 500 | |
| MPPT voltage range (V) | 120~450 | |
| Start-up voltage (V) | 150 | |
| Max. input current (A) | 12 | 15 |
| AC Output Parameters (Back-Up) Feed to essential load | | |
| Max. output power (W) | 3600 | 5500 |
| Max. output apparent power (VA) | 3600 | 5500 |
| Peak output apparent power (VA) | 7200 | 11000 |
| Max. output current (A) | 16 | 24 |
| 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 | 3600 | 5500 |
| Max.output power (W) | | |
| Feed to home load | 3600 | 5500 |
| Max. apparent input power (VA) | | |
| Bypass to essential load/Charge the battery | 3600 | 5500 |
| Max. apparent output power (VA) | | |
| Feed to home load | 3600 | 5500 |
| 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 | |

