SUNKET®-ESS

PV Inverter Expert




# SUNKETESS

## Single Phase Hybrid Inverter

3.0KW/4.0KW/5.0KW/6.0KW/7.0KW/8.0KW/10.0KW

- Big lcd display
- Excellent off grid ability
- Power export limit
- Wifi/GPRS/Lan communication optional

### Simpler

Quick and easy single person installation
Fault codes warning view on LCD display
smart meter optional

### Safer

Comply with international quality standards
tested by TUV, BV, Dekra etc.

### Great reliability

IP65 ingress protection
10+ years R&D accumulation and support

ANYTIME,ANYWHERERE

**REMOTE**

**MONITORING**

PLATFORM

Monitor system performance in real-time via smartphone app or web portal using out advanced monitoring platform .

**SKT Series** Single Phase




For more about sunketess SKT series hybrid inverter please visit sunket.com

# SINGLE PHASE HYBRID INVERTER

## Technology Data

SKT Series SKT8KTL (3KW / 4KW / 5KW / 6KW / 7KW / 8KW / 10KW )

pv inverter expert

| Model | SKT3KTL | SKT4KTL | SKT5KTL | SKT6KTL | SKT8KTL | SKT10KTL |
|---|---|---|---|---|---|---|
| **Input ( DC)** | | | | | | |
| Max DC power | 4500W | 6000W | 7500W | 9000W | 12000W | 14000W |
| Max DC voltage | 500V | | | | | |
| MPPT voltage range | 100-450Vd.c. | | | | | |
| Rated PV Input Voltage | 360V (100-500V) | | | | | |
| Full Load DC Voltage Range | 200-425V | | | | | |
| PV Input Current | 13+13A | | | | 26+26A | |
| Max.PV Isc | 25+25 | | | | 50+50 | |
| Number of MPPT trackers | 2 | | | | | |
| Number of input string | 1+1 | | | | 2+2 | |
| **BATTERY INPUT** | | | | | | |
| Battery type | Lead-acid or Li-ion | | | | | |
| Battery voltage range | 40-60V | | | | | |
| Maximum charge current | 80A | 100A | 120A | 150A | 200A | 210A |
| Maximum discharge current | 80A | 100A | 120A | 150A | 200A | 210A |
| Exernal Temperature Sensor | Yes | | | | | |
| Charging Curve | 3 Stages/Equalization | | | | | |
| Charging Strategе for Li-ion Batteries | Self-adaption to BMS | | | | | |
| **OUTPUT (AC)** | | | | | | |
| Rated AC Output Active Power | 3000W | 4000W | 7000W | 8000W | 9000W | 10000W |
| Maximum AC Output Active Power | 3300W | 4400W | 7500W | 8500W | 9500W | 10500W |
| AC Output Rated Current | 13.1A | 17.4A | 34.8A | 43.5A | 34.8A | 43.5A |
| Maximum AC Output Current | 15A | 20A | 38.5A | 45.6A | 38.5A | 45.6A |
| Maximum Continuous AC Passthroug | 35A | | | | 50A | |
| h Peak Power (off grid) | 2 time of rated power, 10s | | | | | |
| Power Factor Adjustment Range | 0.8 leading to 0.8 lagging | | | | | |
| Power Factor | 1 | | | | | |
| Output Frequency and Voltage | 50/60Hz; L/N/PE220/230Vac | | | | | |
| Grid Type | single phase | | | | | |
| Total Harmonic Distortion (THD) | <0.5%In | | | | | |
| **EFFICIENCY** | | | | | | |
| Max Efficiency | 97.60% | | | | 97.80% | |
| Euro Eficiency | 96.50% | | | | 96.60% | |
| MPPT Efficiency | 99.90% | | | | | |
| **General Parameters** | | | | | | |
| Interrated | Anti-islanding protection, PV String Input Reverse Polarity Protection<br>Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection<br>Output Shorted Protection, Surge Protection | | | | | |
| Over Voltage Category | DC Type II/AC Type III | | | | | |
| **General Data** | | | | | | |
| Operation Temperature Range | -40-60°C, >45°C Derating | | | | | |
| Cooling | Smart Cooling | | | | | |
| Noise | ≤30dB | | | | | |
| Communication with BMS | RS485, CAN | | | | | |
| Weight | 25KG | | | | | |
| Dimension (W/H/D) (mm) | 550*450*180 | | | | | |
| Protection Degree | IP65 | | | | | |
| Installation Style | Wall-mounted | | | | | |
| Warranty | 5years(10 Yeas Optional) | | | | | |

## Certificates and Approvals

CQC, VDE-AR-N4105,IEC61727,IEC62116,VDE0124-AR-N0124,EN50549,IEC62109,IEC62477,G98,G99