SUNKET -ESS

PV Inverter Expert




# SUNKETESS

## Three Phase Hybrid Inverter

4.0KW/5.0KW/6.0KW/8.0KW/10.0KW/12.0KW

- Big lcd display
- Three phase unbalanced output
- 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** Three Phase




For more about sunketess hybrid inverter please visit sunket.com

# THREE PHASE HYBRID INVERTER

SUNKET -ESS

## Technology Data

SKT Series (4KW / 5KW / 6KW / 8KW / 10KW / 12KW )

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| Model No | SKT4KTL3H | SKT5KTL3H | SKT6KTL3H | SKT8KTL3H | SKT10KTL3H | SKT12KTL3H |
|---|---|---|---|---|---|---|
| **Input ( DC)** | | | | | | |
| Max DC power | 6000W | 7500W | 9000W | 12000W | 15000W | 15000W |
| Max DC voltage | 1000Vd.c. | | | | | |
| MPPT voltage range | 200...850Vd.c. | | | | | |
| Max input current/per string | 13Ax2 | | | | | |
| Number of MPP trackers | 2 | | | | | |
| Number of input string | 2 | | | | | |
| **Battery Input** | | | | | | |
| Battery Type | Li-ion | | | | | |
| Battery voltage range | 130~700V | | | | | |
| Maximum charge/discharge current | 25/25A | | | | | |
| Charge strategy for Li-ion Battery | Self-adaptation to BMS | | | | | |
| **Output (AC)** | | | | | | |
| AC nominal power | 4000VA | 5000VA | 6000VA | 8000VA | 10000VA | 12000VA |
| Max AC apparent power | 5000VA | 5500VA | 7000VA | 8800VA | 11000VA | 13200VA |
| Max output current | 8A | 10A | 12A | 15A | 17A | 20A |
| Nominal AC output | 50/60Hz; 400/350 | | | | | |
| AC output range | 45/55Hz;280~490Vac(Adj) | | | | | |
| Power factor | 0.8leading...0.8laging | | | | | |
| Harmonics factor | <3% | | | | | |
| Grid type | 3W/N/PE | | | | | |
| Three-phase unbalance output | 0~100% | 0~100% | 0~100% | 0~100% | 0~100% | 0~80% |
| **AC Output（Back-up）** | | | | | | |
| Max AC apparent power | 4000VA | 5000VA | 6000VA | 8000VA | 10000VA | 10000VA |
| Norminal Output Voltage | 400/380V | | | | | |
| Norminal Output Freqency | 50/60Hz | | | | | |
| Output THDV (@Liuear Load) | <3% | | | | | |
| **Efficiency** | | | | | | |
| Maximum conversion efficiency | 98.0% | 98.0% | 98.2% | 98.2% | 98.2% | 98.2% |
| European efficiency | 97.3% | 97.3% | 97.5% | 97.5% | 97.5% | 97.5% |
| Max battery to AC Efficiency | 97.2% | 97.2% | 97.4% | 97.4% | 97.4% | 97.4% |
| MPPT efficiency | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% | 99.9% |
| **Safety and Protection** | | | | | | |
| DC reverse-polarity protection | yes | | | | | |
| DC breaker | yes | | | | | |
| DC/AC SPD | yes | | | | | |
| Leakage current protection | yes | | | | | |
| Insulation Impedance Detection | yes | | | | | |
| Residual Current protection | yes | | | | | |
| Output short circuit protection | yes | | | | | |
| Battery reerse connection protection | yes | | | | | |
| **General Parameters** | | | | | | |
| Dimension (W/H/D) | 516*408*184mm | | | | | |
| Weight | 20 kg | | | | | |
| Operating temperature range ºC | -25°C...+60℃ | | | | | |
| Degree of protection | IP65 | | | | | |
| Cooling concept | Natural convection | | | | | |
| Topology | Transformerless | | | | | |
| Display | LCD | | | | | |
| Humidity | 0-95%, non-condensing | | | | | |
| Communication | Standard WiFi;GPRS/LAN(optional) | | | | | |
| Warranty | Standard 5 years; 7/10 years optional | | | | | |
| BMS communication | CAN/RS485 | | | | | |
| Meter communication | R485 | | | | | |
| **Certificates and Approvals** | | | | | | |
| CQC, VDE-AR-N4105,IEC61727,IEC62116,VDE0124-AR-N0124,EN50549,IEC62109,G98,G99 | | | | | | |