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)

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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 Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection 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