



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, ANYWHERE REMOTE MONITORING PLATFORM

Monitor system performance in
real-time via smartphone app or
web portal using our 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 Strategie 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
hPeak 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 Efficiency		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				
Over Voltage Category		Output Shorted Protection, Surge Protection 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						

