



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, ANYWHERE REMOTE MONITORING PLATFORM

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



SKT Series Three Phase



For more about sunketess hybrid inverter
please visit sunket.com

THREE PHASE HYBRID INVERTER



Technology Data

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

pv inverter expert

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
Normal Output Voltage				400/380V		
Normal Output Frequency				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 °C				-25°C...+60 °C		
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						