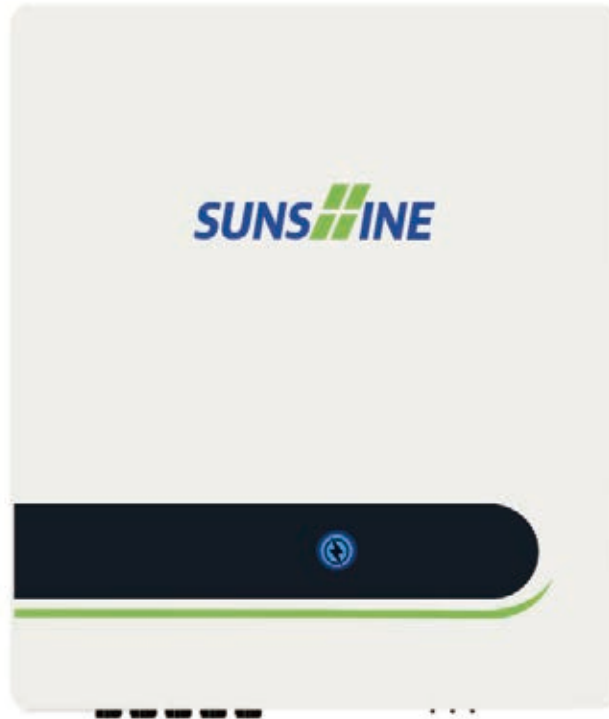


THREE PHASE & DUAL MPPT

TH 10/12/15/17/20/22/25KTL-G1P



SUPERIOR EFFICIENCY

- Maximum efficiency 98.4%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC /AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	TH 10KTL-G1P	TH 12KTL-G1P	TH 15KTL-G1P	TH 17KTL-G1P	TH 20KTL-G1P	TH 22KTL-G1P	TH 25KTL-G1P	
Efficiency								
Max. Efficiency	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%	98.4%	
European Efficiency	97.8%	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%	
Input (PV)								
Max. Input Voltage	1100V							
Max. PV configuration	150%							
Rated Input Voltage	620V							
Max. Input Current	30A+15A						2*30A	
Max.Short Circuit Current	40A+20A						2*40A	
Start Input Voltage	180V							
MPPT Operating Voltage Range	160V-1000V							
Max. Number of PV Strings	3 (2/1)						4 (2/2)	
No. of MPPTs	2							
Output (Grid)								
Rated AC Active Power	10,000W	12,000W	15,000W	17,000W	20,000W	22,000W	25,000W	
Max. AC Apparent Power	11,000VA	13,200VA	16,500VA	18,700VA	22,000VA	24,200VA	25,000VA	
Max. AC Active Power (PF=1)	11,000W	13,200W	16,500W	18,700W	22,000W	24,200W	25,000W	
Max. AC Output Current	3*16.8A	3*20.2A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A	
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE							
AC Voltage Range ^①	260V-510V (adjustable)							
Rated Grid Frequency	50Hz / 60Hz							
Grid Frequency Range ^②	45Hz-55Hz / 55Hz-65Hz (Adjustable)							
THDI	<3%@Rated Power							
DC Current Injection	<0.5%@Rated Current							
Power Factor	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)							
Protection								
DC switch	Support							
Anti-islanding protection	Support							
AC overcurrent protection	Support							
AC short circuit protection	Support							
DC reverse connection	Support							
Surge Arrester	AC Type III (Type II optional) / DC Type III (Type II optional)							
Insulation detection	Support							
String current detection	Optional							
Leakage current protection	Support							
General								
Topology	Transformerless							
IP Rating	IP66							
Night Self Consumption	<1W							
Cooling	Natural cooling			Fan cooling				
Operating Temperature Range	-25°C-60°C							
Relative Humidity Range	0-100%							
Max. Operating Altitude	4000m							
Noise	<45dB							
Dimensions (W*H*D)	398mm*460mm*190mm							
Weight	23Kg							
HMI & COM								
Display	Wireless & APP + LED, LCD (Optional)							
Communication	RS485, WiFi / GPRS / 4G (Optional)							
Certification								
Safety	IEC62109-1, IEC62109-2							
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116							
Warranty	5/10 (optional)							

Remarks : • ①②The range of output voltage and frequency may vary depending upon different grid codes.
• Specifications are subject to change without advance notice.