

SOFAR 1-5KTL3-G3

1.1 / 1.6 / 2.2 / 2.7 / 3 / 3.3 / 4 / 5 kW

SINGLE-PHASE SINGLE MPPT



Product advantages

- Max. efficiency up to 97.7%
- Lightweight, quick and easy to install
- IP65 design for outdoor
- RS485
- Feed-in limitation function



Modell	SOFAR 1.1KTL3-G3	SOFAR 1.6KTL3-G3	SOFAR 2.2KTL3-G3	SOFAR 2.7KTL3-G3	SOFAR 3KTL3-G3	SOFAR 3.3KTL3-G3	SOFAR 4KTL3-G3	SOFAR 5KTL3-G3	
Input (DC)									
Max. input voltage	550V							600V	
Rated input voltage	360V								
Start-up voltage	70V								
MPPT operating voltage range	50-550V							50-600V	
Number of MPP trackers	1								
Number of DC inputs	1								
Max. input MPPT current	20A								
Max. input short circuit current	25A								
Output (AC)									
Rated output power	1100W	1600W	2200W	2700W	3000W	3300W	4000W	5000W	
Max. apparent power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA	4000VA	5000VA	
Max. output current	5.3A	7.7A	10.6A	13A	14.5A	16A	19.3A	24.1A	
Rated output voltage	L/N/PE, 220Vac, 230Vac								
Output voltage range	180Vac-276Vac								
Rated output frequency	50 / 60Hz								
Output frequency range	45Hz-55Hz / 55Hz-65Hz								
Active power adjustable range	0-100%								
THD	<3%								
Power factor	0.8 leading-0.8 lagging								
Efficiency									
Max. efficiency	≥97.7%								
European efficiency	≥97.2%								
Protection									
DC reverse polarity protection	Yes								
Anti-islanding protection	Yes								
Leakage current protection	Yes								
Ground fault monitoring	Yes								
PV-array string fault monitoring	Yes								
DC switch	Yes								
AFCI	Optional								
SPD	PV: Type III, AC: Type III								
General Data									
Ambient temperature range	-30 °C to +60 °C								
Self-consumption at night	<1 W								
Topology	Transformerless								
Degree of protection	IP65								
Allowable relative humidity range	0-100 %								
Max. operating altitude	4000m (>2000m derating)								
Cooling	Natural								
Dimension (W×H×D)	321×260.5×131.5mm						321×260.5×151.5mm		
Weight	≤7kg						≤7.3kg		
Display	LCD & Bluetooth +APP								
Communication	RS485 / Wi-Fi								

*All specifications are subject to change without notice.