

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



Model	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							
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%							
THDi	<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	<1W							
Topology	Transformerless							
Degree of protection	IP65							
Allowable relative humidity range	0-100%							
Max. operating altitude	2000m							
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							
Standard	IEC/EN 62109-1/2, IEC/EN 61000-6-1/3, IEC 62116, IEC 61727, IEC 61683, IEC 60068-2-1/2/14/30, EN 50549-1, UNE217001, UNE217002, NTS 631, G98/G99, VDE 4105, VDE V 0126-1-1							

*All specifications are subject to change without notice.