

SOFAR 1~4KTL2-G3

1.1 / 1.6 / 2.2 / 2.7 / 3 / 3.3 / 4KW

SINGLE-PHASE SINGLE MPPT

PRELIMINARY



Product advantages

- Max. efficiency up to 97.7%
- Lightweight, quick and easy to install
- 140% DC overload
- IP65 design for outdoor
- RS485
- Feed-in limitation function



Model	SOFAR 1.1KTL2-G3	SOFAR 1.6KTL2-G3	SOFAR 2.2KTL2-G3	SOFAR 2.7KTL2-G3	SOFAR 3KTL2-G3	SOFAR 3.3KTL2-G3	SOFAR 4KTL2-G3
Input (DC)							
Max. input voltage	500V			550V			
Rated input voltage	360V						
Start-up voltage	70V						
MPPT operating voltage range	50-500V			50-550V			
Number of MPP trackers	1						
Number of DC inputs	1						
Max. input MPPT current	13A	14A		15A			
Max. input short circuit current	17.5A			20A			
Output (AC)							
Rated output power	1100W	1600W	2200W	2700W	3000W	3300W	4000W
Max. apparent power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA	4000VA
Max. output current	5.3A	7.7A	10.6A	13A	14.5A	16A	19.3A
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	97.3%			97.7%			
European efficiency	96.7%			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						
SPD	PV: type III, AC: type III						
General Data							
Ambient temperature range	-30℃-+60℃						
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)	303×260.5×118mm			321×260.5×131.5mm			321×260.5×151.5 mm
Weight	≤6kg			≤7kg			≤7.3kg
Display	LCD+LED						
Communication	RS485, Wi-Fi						
Standard	IEC 62109-1/-2, IEC/EN 61000-6-1/-3, IEC/EN 61000-3-2/-3/-11/-12, IEC 61727, IEC 62116, IEC 60068, IEC 61683						

*All specifications are subject to change without notice.