SOFAR 1-3.3KTL-G4

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

Single-phase string inverter



High yield

- Low start-up voltage, wide MPPT range
- Max. input current 20A, suitable for high-power modules

Easy installation

- Compact and lightweight design
- Quick and simple installation

Assured safety

- AFCI function supported (optional)
- IP66 ingress protection
- Zero export application

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Model	SOFAR 1.1KTL-G4	SOFAR 1.6KTL-G4	SOFAR 2.2KTL-G4	SOFAR 2.7KTL-G4	SOFAR 3KTL-G4	SOFAR 3.3KTL-G4
Input (DC)						
Max. input voltage	550V					
Rated input voltage	360V					
Start-up voltage	70V					
MPPT operating voltage range	50-550V					
Full load MPPT voltage range	100-440V		115-440V	142-440V	157-440V	170-440V
Number of MPPTs	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
Max. apparent power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Max. output current	5.3A	7.7A	10.6A	13A	14.5A	16A
Rated output voltage	L/N/PE, 220Vac, 230Vac					
Output voltage range	180Vac-276Vac					
Rated output frequency	50Hz					
Output frequency range	45Hz-55Hz					
Active power adjustable range	0-100%					
THDi	<3%					
Power factor	0.8 leading – 0.8 lagging					
Efficiency						
Max. efficiency	97.5%					
European efficiency	97.0%					
Protection & Function						
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	Optional					
AFCI	Optional					
SPD	PV: type III , AC: type III					
General Data						
Ambient temperature range	-30˚C~+60˚C					
Self-consumption at night	<1W					
Topology	Transformerless					
Degree of protection	IP66					
Allowable relative humidity range	0-100%					
Max. operating altitude	4000m (>2000m derating)					
Cooling	Natural					
Dimension(W×H×D)	263×259×93.5mm					
Weight	≤4kg					
Display	LED & Bluetooth +APP					
Communication	RS485 / Bluetooth / Wi-Fi					
Standard	IEC/EN 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, IS 16221, IS 16169, IS 17980 (BIS)					

*All specifications are subject to change without notice.