SOFAR 7K~10.5KTLM-G3

7 / 7.7 / 8 / 9 / 10 / 10.5 kW

SINGLE-PHASE THREE-MPPTS

Product advantages

- Max. efficiency up to 98.1%
- Low start-up voltage, wide MPPT voltage range
- Three MPPTs with 150% DC overload
- Compatible with 500 W+ modules
- I-V curve scanning function
- Natural cooling, no fans, low noise
- Prolonged AC overload compatibility (110%)

Datasheet	SOFAR 7KTLM-G3	SOFAR 7.7KTLM-G3	SOFAR 8KTLM-G3	SOFAR 9KTLM-G3	SOFAR 10KTLM-G3	SOFAR 10.5KTLM-G3
Input (DC)						
Max. input voltage	600V					
Rated input voltage	360V					
Start-up voltage	90V					
MPPT operating voltage range	80V~550V					
Number of MPPTs	3					
Number of DC inputs	3					
Max. input MPPT current	20A/16A/16A					
Max. input short circuit current	30A/25A/25A					
Output (AC)						
Rated output power	7000W	7700W	8000W	9000W	10000W	10500W
Max. apparent power	7700VA	7700VA	8800VA	9900VA	10000VA	10500VA
Max. output current	35A	35A	40A	45A	46A	46A
Rated output voltage	L/N/PE,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	1 (adjustable +/-0.8)					
Efficiency						
Max. efficiency	98.1%					
European efficiency	97.3%					
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 II, 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	4000m					
Cooling	Natural					
Dimension(W×H×D)	468×380×187 mm					
Weight	17.5kg			18.5kg		
Display	LCD & Bluetooth +APP					
Communication	RS485/WiFi					
Standard	IEC/EN 61000-6-1/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2 G99, VDE V 0126-1-1, EN 50549-1, ANRE 208					

*All specifications are subject to change without notice.

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