

SOFAR 8~10KTLM-G3

8 / 9 / 10 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 8KTLM-G3	SOFAR 9KTLM-G3	SOFAR 10KTLM-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 for DC inputs		3	
Max. input MPPT current		20A/16A/16A	
Max. input short circuit current		30A/25A/25A	
Output (AC)			
Rated output power	8000W	9000W	10000W
Rated apparent power	8000VA	9000VA	10000VA
Max. apparent power	8800VA	9900VA	10000VA
Rated output current	34.8A	39.1A	43.5A
Max. Output current	40A	45A	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°C~+60°C	
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/Wi-Fi	
Standard		IEC 61000-6-1/3, IEC 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC 62109-1/2 AS/NZS 4777.2:2020	

*All specifications are subject to change without notice.