

## SOFAR 8K~10KTLM-G3

8/10kW

SOFAR

SINGLE-PHASE THREE-MPPTS

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### Product advantages

- Max. efficiency up to 98.1%
- Low start-up voltage, wide MPPT voltage range
- Three MPP trackers 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
<b>Input (DC)</b>						
Recommended max. PV input power (Wp)	10500	10500	12000	13500	15000	15000
Max. DC power for single MPPT (W)	6250 / 5000 / 5000					
Number of MPP trackers	3					
Number of DC inputs	3					
Max. input voltage (V)	600					
Start-up voltage (V)	90					
Rated input voltage (V)	360					
MPPT operating voltage range (V)	80-550					
Full power MPPT voltage range (V)	200-500		230-500	260-500	280-500	300-500
Max. input MPPT current (A)	20 / 16 / 16					
Max. input short circuit current per MPPT (A)	30 / 25 / 25					
<b>Output (AC)</b>						
Rated power (W)	7000	7700	8000	9000	10000	10500
Max. AC power (VA)	7700	7700	8800	9900	10000	10500
Max. output current (A)	35		40	45		46
Rated grid voltage	L / N / PE, 230 Vac					
Grid voltage range	180 Vac-276 Vac (according to local standard)					
Rated grid frequency	50 Hz / 60 Hz					
Grid frequency range	45 Hz-55 Hz / 55 Hz-65 Hz (according to local standard)					
THDi	< 3%					
Power factor	1 default (adjustable +/-0.8)					
<b>Efficiency</b>						
Max. efficiency	98.1%					
European efficiency	97.3%					
<b>Protection</b>						
DC reverse polarity protection	Yes					
DC switch	Optional					
Safety protection	Anti-islanding, RCMU, Ground fault monitoring					
SPD	PV: Type II standard, AC: Type III standard					
<b>Communication</b>						
Standard Communication mode	RS485/Bluetooth, Optional: WiFi/Ethernet					
<b>General Data</b>						
Topology	Transformerless					
Ambient temperature range	-30°C ~ +60°C					
Self-consumption at night (W)	< 1					
Degree of protection	IP65					
Allowable relative humidity range	0-100%					
Max. operating altitude	4000 m					
Weight (kg)	17.5			18.5		
Cooling	Natural					
Dimension (mm)	468*380*187					
Display	LCD, App via Bluetooth					
<b>Standard</b>						
EMC	EN 61000-6-1, EN 61000-6-3, EN 61000-3-11, EN 61000-3-12					
Safety standards	IEC 62109-1/2, IEC 62116, IEC 61727, IEC 61683, IEC 60068					
Grid standards	G99					

\* All specifications are subject to change without notice.