



SOFAR 3K~6KTLM-G3

3000/3600/4000/4600/5000/6000



Single-Phase

Dual-MPPT

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|---|---|
| 0 Built-in zero export function | AFCI Optional AFCI function |
| Hand Lightweight and compact design | Icon Natural cooling, no fans, low noise |
| 98.4% Max. efficiency up to 98.4% | 2 MPPT Two MPP trackers with 1.5*DC overload |
| Wi-Fi Smart monitoring, remote operation | |

Datasheet

	SOFAR 3KTLM-G3	SOFAR 3.6KTLM-G3	SOFAR 4KTLM-G3	SOFAR 4.6KTLM-G3	SOFAR 5KTLM-G3	SOFAR 5KTLM-G3-A	SOFAR 6KTLM-G3
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Input (DC)

Recommended Max. PV input power	4500Wp	5400Wp	6000Wp	7000Wp	7500Wp	9000Wp	
Max DC power for single MPPT	3500W				3750W	4500W	
Number of MPP trackers	2						
Number of DC inputs	1 for each MPPT						
Max. Input voltage	600V						
Start-up voltage	90V						
Rated input voltage	380V						
MPPT operating voltage range	80V-550V						
Full power MPPT voltage range	200V-500V				210V-500V	260V-500V	
Max. Input MPPT current	15A/15A						
Max. input short circuit current per MPPT	22.5A/22.5A						

Output (AC)

Rated power	3000W	3680W	4000W	4600W	5000W	5000W	6000W
Max. AC power	3300VA	3680VA	4400VA	4600VA	5500VA	5000VA	6000VA
Nominal output current	13.6A	16A	18.2A	21A	22.7A	21.7A	27.3A
Max. Output current	15A	16A	20A	23A	25A	21.7A	29A
Nominal grid voltage	L/N/PE, 220Vac, 230Vac, 240Vac						
Grid voltage range	180Vac-276Vac (According to local standard)						
Nominal frequency	50Hz/60Hz						
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)						
Active power adjustable range	0~100%						
THDi	<3%						
Power factor	1 default (adjustable +/-0.8)						

Performance

Max efficiency	98.2%	98.4%					
European efficiency	97.3%						

Protection

DC reverse polarity protection	Yes
DC switch	Optional
AFCL protection	Optional
Protection class/overvoltage category	I/III
Safety protection	Anti islanding, RCMU, Ground fault monitoring
SPD	MOV: Type III standard

Communication

Standard communication mode	RS485/USB, Optional: WiFi/GPRS/4G
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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	
Noise	<25dB	
Weight	9.2kg	10kg
Cooling	Natural	
Dimension	349*344*164mm	
Display	LCD&Bluetooth+APP	
Standard warranty	5 years, Optional: 7&10 years	

Standard

EMC	EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 61000-3-11, EN 61000-3-12
Safety standards	IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)
Grid standards	VDE-AR-N 4105, VDE V 0126-1-1, V 0124-100, AS/NZS 4777, CEI 0-21, G98/G99, C10/11, EN 50549, RD 1699