SOFAR 3K~6KTLM-G3

3 / 3.6 / 4 / 4.6 / 5 / 6 kW

SINGLE-PHASE DUAL MPPT



Product advantages

- Max. efficiency up to 98.4%
- Compact design, lightweight
- Two MPPTs with 150% DC overload
- Natural cooling, no fans, low noise
- Feed-in limitation function
- RS485/Bluetooth, Optional: Wi-Fi/Ethernet



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
Input (DC)							
Recommended Max. PV input power	4500Wp	5400Wp	6000Wp	7000Wp	7500Wp	7500Wp	9000Wp
Max. input voltage	600V						
Rated input voltage	380V						
Start-up voltage	90V						
MPPT operating voltage range	80V-550V						
Number of MPPTs	2						
Number of DC inputs	1 for each MPPT						
Max. input MPPT current	15A/15A						
Max. input short circuit current	22.5A/22.5A						
Output (AC)							
Rated output power	3000W	3680W	4000W	4600W	5000W	5000W	6000W
Rated apparent power	3000VA	3680VA	4000VA	4600VA	5000VA	5000VA	6000VA
Max. apparent power	3300VA	3680VA	4400VA	4600VA	5500VA	5000VA	6000VA
Rated output current	13A	16A	17.4A	20A	21.7A	21.7A	26.1A
Max. Output current	15A	16A	20A	23A	25A	21.7A	29A
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	98.2%			98.4%			
European efficiency	97.3%			97.5%			
Protection							
DC reverse polarity protection	Yes						
Anti-islanding protection	Method (Reactive power disturbance)						
Leakage current protection	Yes						
Ground fault monitoring	Yes						
PV-array string fault monitoring	Yes						
DC switch	Yes						
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	IP65						
Allowable relative humidity range	0~100%						
Max. operating altitude	4000m						
Cooling	Natural						
Dimension(W×H×D)	349×344×164mm						
Weight	9.2kg			10kg			
Display	LCD & Bluetooth +APP						
Communication	RS485/Wi-Fi						
Standard	IEC 61000-6-1/-2/-3, IEC 61000-3-2/3, 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.

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