

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: WiFi/Ethernet



Model	SOFAR 3KTLM-G3	SOFAR 3.6KTLM-G3	SOFAR 4KTLM-G3	SOFAR 4.6KTLM-G3	SOFAR 5KTLM-G3-A	SOFAR 6KTLM-G3
Input (DC)						
Max. input voltage	600V					
Rated input voltage	380V					
Start-up voltage	90V					
MPPT operating voltage range	80V-550V					
Number of Mpp trackers	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	6000W
Rated apparent power	3000VA	3680VA	4000VA	4600VA	5000VA	6000VA
Max. apparent power	3300VA	3680VA	4400VA	4600VA	5000VA	6000VA
Rated output current	13A	16A	17.4A	20A	21.7A	26.1A
Max. Output current	15A	16A	20A	23A	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%	98.2%	98.2%	98.4%	98.4%	98.4%
European efficiency	97.3%	97.3%	97.3%	97.5%	97.5%	97.5%
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	Optional					
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/WIFI					
Standard	IEC 61000-6-2/3, 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					

*SOFAR 3.6KTLM-G3-1 is only for Jordan.
*All specifications are subject to change without notice.