

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



Datasheet	SOFAR 3KTLM-G3	SOFAR 3.6KTLM-G3-J*	SOFAR 3.6KTLM-G3	SOFAR 4KTLM-G3	SOFAR 4.6KTLM-G3	SOFAR 5KTLM-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 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	3600W	3680W	4000W	4600W	5000W	5000W	6000W
Max. apparent power	3300VA	3600VA	3680VA	4400VA	4600VA	5500VA	5000VA	6000VA
Max. output current	15A	16A	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%	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%	98.4%
European efficiency	97.3%	97.3%	97.3%	97.3%	97.5%	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	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/WIFI							
Standard	IEC/EN 61000-6-2/3, IEC/EN 61000-3-2/3, IEC/EN 61000-3-11/12, IEC 62116, IEC 61727, IEC 61683, IEC 60068-1/2/14/30, IEC/EN 62109-1/2, VDE-AR-N 4105, VDE V 0126-1-1, CEI0-21, C10/11, UNE 217002: 2020, G98/G99, EN 50549-1, ANRE 208							

*SOFAR 3.6KTLM-G3-J is only for Jordan.

*All specifications are subject to change without notice.