

SOFAR 3K~6KTLM-G3

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

SINGLE-PHASE DUAL-MPPTS



Product advantages

- Max. efficiency up to 98.4%
- Compact design, lightweight
- Two MPP trackers with 150% DC overload
- Natural cooling, no fans, low noise
- Built-in zero export 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 6KTLM-G3
Input (DC)							
Recommended max. PV input power (Wp)	4500	5400	5400	6000	7000	7500	9000
Max. DC power for single MPPT (W)	3500					3750	4500
Number of MPP trackers				2			
Number of DC inputs				1 for each MPPT			
Max. input voltage (V)				600			
Start-up voltage (V)				90			
Rated input voltage (V)				380			
MPPT operating voltage range (V)				80-550			
Full power MPPT voltage range (V)				200-500		210-500	260-500
Max. input MPPT current (A)				15 / 15			
Max. input short circuit current per MPPT (A)				22.5 / 22.5			
Output (AC)							
Rated power (W)	3000	3600	3680	4000	4600	5000	6000
Max. AC power (VA)	3300	3600	3680	4400	4600	5500	6000
Max. output current (A)	15	16	16	20	23	25	29
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)						
Active power adjustable range	0-100%						
THDi	< 3%						
Power factor	1 default (adjustable +/-0.8)						
Efficiency							
Max. efficiency	98.2%					98.4%	
European efficiency	97.3%					97.5%	
Protection							
DC reverse polarity protection	Yes						
DC switch	Optional						
Safety protection	Anti-islanding, RCMU, Ground fault monitoring						
SPD	MOV: Type III standard						
Communication							
Standard Communication mode	RS485/Bluetooth, Optional: WiFi/Ethernet						
General Data							
Ambient temperature range	-30°C ~ +60°C						
Self-consumption at night (W)	< 1						
Topology	Transformerless						
Degree of protection	IP65						
Allowable relative humidity range	0-100%						
Max. operating altitude	4000 m						
Weight (kg)	9.2					10	
Cooling	Natural						
Dimension (mm)	349*344*164						
Display	LCD, App via Bluetooth						
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	IEC 62109-1 / 2, IEC62116, IEC 61727, IEC 61683, IEC 60068 (1, 2, 14, 30)						
Grid standards	VDE-AR-N 4105, VDE V 0126-1-1, V 0124-100, CEI 0-21, G98 / G99, C10 / 11, EN 50549, RD 1699						

* All specifications are subject to change without notice.