



**SOFAR**

## 3K~6KTLM-G3

3K / 3.6K / 4K / 4.6K / 5K / 6K W



### SINGLE-PHASE

- Max. efficiency up to 98.4%
- Two MPP trackers with 150% DC overload
- Built-in zero export function

### DUAL-MPPT

- Compact design, lightweight
- Natural cooling, no fans, low noise
- RS485/Bluetooth  
Optional: WiFi/Ethernet

## Datasheet

SOFAR  
3KTLM-G3SOFAR  
3.6KTLM-G3SOFAR  
4KTLM-G3SOFAR  
4.6KTLM-G3SOFAR  
5KTLM-G3SOFAR  
6KTLM-G3

Input (DC)	SOFAR 3KTLM-G3		SOFAR 3.6KTLM-G3		SOFAR 4KTLM-G3		SOFAR 4.6KTLM-G3		SOFAR 5KTLM-G3		SOFAR 6KTLM-G3	
Recommended max. PV input power (Wp)	4500		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		3680		4000		4600		5000		6000	
Max. AC power (VA)	3300		3680		4400		4600		5500		6000	
Max. output current (A)	15		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)					
Performance												
Max. efficiency			98.2%						98.4%			
European efficiency			97.3%						97.5%			
Protection												
DC reverse polarity protection							Yes					
DC switch							Yes					
Safety protection							Anti-islanding, RCMU, Ground fault monitoring					
SPD							MOV: Type III standard					
Communication												
Standard Communication mode							RS485/Bluetooth Optional: WiFi/Ethernet					
Protection												
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					
Noise							< 25 dB					
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							INMETRO, VDE-AR-N 4105, VDE V 0126-1-1, V 0124-100, CEI 0-21, G98 / G99, C10 / 11, EN 50549, RD 1699					