



# SOFAR 3K~6KTL-M-G3

3000/3600/4000/4600/5000/6000



## Single-Phase      Dual-MPPT



Built-in zero export function



Optional AFCI function



Compact design, light in weight



Natural cooling, no fans, low noise



Max. efficiency up to 98.4%



Two MPP trackers with 1.5\*DC overload



Smart monitoring, remote firmware upgrade

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
<b>Input (DC)</b>							
Recommended Max. PV input power	4500Wp	5400Wp	6000Wp	7000Wp	7500Wp	7500Wp	9000Wp
Max DC power for single MPPT	3500W	3500W	3500W	3500W	3750W	3750W	4500W
Number of MPP trackers				2			
Number of DC inputs				I for each MPPT			
Max. Input voltage				600V			
Start-up voltage				90V			
Rated input voltage				380V			
MPPT operating voltage range				80V-550V			
Full power MPPT voltage range	200V-500V	200V-500V	200V-500V	200V-500V	210V-500V	210V-500V	260V-500V
Max. Input MPPT current				15A/15A			
Max. input short circuit current per MPPT				22.5A/22.5A			
<b>Output (AC)</b>							
Rated power	3000W	3680W	4000W	4600W	5000W	5000W	6000W
Max. AC power	3300VA	3680VA	4400VA	4600VA	5500VA	5000VA	6000VA
Nominal output current	13.6A	16A	18.2A	21A	22.7A	21.7A	27.3A
Max. Output current	15A	16A	20A	23A	25A	21.7A	29A
Nominal grid voltage				L/N/PE, 220Vac, 230Vac, 240Vac			
Grid voltage range				180Vac-276Vac (According to local standard)			
Nominal frequency				50Hz/60Hz			
Grid frequency range				45Hz-55Hz/54Hz-66Hz (According to local standard)			
Active power adjustable range				0~100%			
THDi				<3%			
Power factor				1default (adjustable+/-0.8)			
<b>Performance</b>							
Max efficiency	98.2%	98.2%	98.2%	98.4%	98.4%	98.4%	98.4%
European efficiency	97.3%	97.3%	97.3%	97.5%	97.5%	97.5%	97.5%
<b>Protection</b>							
DC reverse polarity protection				Yes			
DC switch				Optional			
AFCI protection				Optional			
Protection class/overvoltage category				I/III			
Safety protection				Anti islanding, RCMU, Ground fault monitoring			
SPD				MOV: Type III standard			
<b>Communication</b>							
Standard communication mode				RS485/USB, Optional: WiFi/GPRS/4G			
<b>General Data</b>							
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			
Noise				<25dB			
Weight	9.2kg	9.2kg	9.2kg	10kg	10kg	10kg	10kg
Cooling				Natural			
Dimension				349*344*164mm			
Display				LCD&Bluetooth+APP			
Standard warranty				10 years			
<b>Standard</b>							
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				IEC62109-1/2, IEC62116, IEC61727, IEC-61683, IEC60068(1,2,14,30)			
Grid standards				VDE-AR-N 4105, VDE V 0126-1-1, V 0124-100, AS/NZS 4777, CEI 0-21, G98/G99, C10/11, EN 50549, RD 1699			