



SOFAR 1.1K~3.3KTL-G3

1100/1600/2200/2700/3000/3300



Single-Phase Single-MPPT

- 1.4** 1.4 DC overload
- IP65** IP65 ingress protection
- 97.7%** Max. efficiency up to 97.7%
- Light weight, quick and easy to install
- 0** Built-in zero export function
- Smart monitoring, RS485, WiFi/GPRS/4G/Ethernet(optional)

Datasheet	SOFAR 1100TL-G3	SOFAR 1600TL-G3	SOFAR 2200TL-G3	SOFAR 2700TL-G3	SOFAR 3000TL-G3	SOFAR 3300TL-G3
Input (DC)						
Recommended Max. PV input power	1500Wp	2200Wp	3000Wp	3700Wp	4100Wp	4500Wp
Max. Input voltage	500V	500V	500V	550V	550V	550V
Start-up voltage				70V		
Rated input voltage				360V		
MPPT operating voltage range	50-500V	50-500V	50-500V	50-550V	50-550V	50-550V
Full power MPPT voltage range	110-450V	150-450V	200-450V	250-500V	275-500V	300-500V
Max. Input current MPPT				12A		
Maximum DC input short circuit current per MPPT				15A		
Number of MPPT/ String per MPPT				1/1		
Input terminal type	MC4/H4					
Output (AC)						
Rated power	1100W	1600W	2200W	2700W	3000W	3300W
Max. AC power	1100VA	1600VA	2200VA	2700VA	3000VA	3300VA
Rated Output current	4.8A	7A	9.6A	11.8A	13A	14.3A
Max. Output current	5.3A	7.7A	10.6A	13A	14.5A	16A
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	45～55Hz/54～66Hz (According to local standard)					
THDI	<3%					
Power factor	1 default (adjustable +/-0.8)					
Efficiency						
Max. Efficiency	97.5%	97.5%	97.5%	97.7%	97.7%	97.7%
European weighted efficiency	96.9%	96.9%	96.9%	97.2%	97.2%	97.2%
Self-consumption at night				<1W		
MPPT efficiency	>99.9%					
Protection						
Anti-islanding protection				Yes		
DC reverse polarity protection				Yes		
Over temp protection				Yes		
Leakage current protection				Yes		
Over voltage protection				Yes		
Over current protection				Yes		
Earth fault protection				Yes		
SPD	MOV: Type III standard					
Communication						
Standard communication mode	RS485, WiFi/GPRS/4G/Ethernet(optional), USB					
General Data						
Topology	Transformerless					
Ambient temperature range	-30℃～+60℃					
Allowable relative humidity range	0～100%					
Noise	<25dB					
DC switch	optional					
Cooling	Natural					
Max. Operating altitude	2000m					
Dimension[mm]	303*260.5*118	303*260.5*118	303*260.5*118	321*260.5*131.5	321*260.5*131.5	321*260.5*131.5
Support bracket	Wall-mounted					
Weight	5.5kg	5.5kg	5.5kg	6.3kg	6.3kg	6.3kg
Display	LCD+LED					
Degree of protection	IP65					
Warranty	5 years/ 7 years/ 10 years					
Standard						
EMC	EN 61000-6-1, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3					
Safety standards	IEC 62116, IEC 61727, IEC 61683, IEC 60068(1,2,14,30), IEC 62109-1/2					
Grid standards	AS 4777, VDE V 0124-100, VDE V 0126-1-1, VDE-AR-N 4105, G83/2, C10/11, RD 1699					