



# SOFAR 1.1k~3.3kTL-G3

1100/1600/2200/2700/3000/3300



## Single-Phase

## Single-MPPT



**1.4**

1.4 DC overload



IP65 ingress protection

**97.7%**

Max. efficiency up to 97.7%



Light weight, quick and easy to install



Built-in zero export function



Smart monitoring, RS485, Wifi/Ethernet/GPRS(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				1default (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%

## 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/Ethernet(optional), USB
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## General Data

Topology	Transformerless
Ambient temperature range	-30°C~+60°C
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 61000-6-1, IEC 61000-6-3, IEC 61000-3-2, IEC 61000-3-3, 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