

Complete oplossing

Hoogst haalbaar rendement

de  
**GROENE**  
**KLUIS**

# Omvormer

**SOFAR**  
SOLAR

## 3k ~ 7.5kTL-G2

3000/3600/4000/4600/5000/6000/7500

Sofar 1 fase omvormer

1. Ingebouwde nul-exportfunctie
2. IP65 beschermingsgraad
3. Max. efficiëntie tot 98.2%
4. 2 MPPT snaardetectie met hoge precisie
5. I-V-curve scanfunctie
6. Slimme monitoring, WiFi, Rs485 / GPRS (optioneel)



# Techsheet

## Sofar 1 fase omvormer - 3k~7.5kTL-G2

Model / Parameters	3KTLM- G2	3.6KTLM- G2	4KTLM- G2	4.6KTLM- G2	5KTLM- G2	
<b>Input (DC)</b>						
Recommended PV input power	3500	4000	4400	5000	5500	W
Max DC power for single MPPT	2000	2400	2600	3000	3000	W
Number of independent MPPT	2					
Number of DC inputs	1/1					
Max. Input voltage	600					V
Start-up input voltage	120					V
Rated input voltage	360					V
MPPT voltage range	90-580					V
Full load DC voltage range	160-520	180-520	200-520	230-520	250-520	V
Max. Input current per MPPT	11A/11A					A
Maximun DC input short circuit current per MPPT	14					A
<b>Output (DC)</b>						
Rated power	3000	3680	4000	4600	5000	W
Max. AC power	3000	3680	4000	4600	5000	VA
Max. AC output current	13.7	16.8	18.2	21	22.8	A
Nominal grid voltage	L/N/PE, 220Vac, 230Vac, 240Vac					Vac
Grid voltage range	180Vac-276Vac (According to local standard)					Vac
Nominal frequency	50/60					Hz
Grid frequency range	45Hz-55Hz/54Hz-66Hz (According to local standard)					Hz
Active power adjustable range	0~100%					
THDi	<3%					
Power factor	1 default (adjustable +/- 0.8)					
Power limit export	Zero export or adjustable power limit export					
<b>Efficiency</b>						
Max. Efficiency	98.0%					
European weighted efficiency	97.5%					
Self-consumption at night	<1					W
Feed-in start power	50					W
MPPT efficiency	>99.99%					
<b>Protection</b>						
DC reverse polarity protection	Yes					
DC switch	Optional					
Protection class/overvoltage category	I/III					
Input/output MOV (III)	Yes					
Safety protection	Anti islanding, RCMU, Ground fault monitoring					
SPD	MOV: Type III standard Type II optional					
<b>Communication</b>						
Power management unit	According to certification and request					
Standard communication mode	WiFi, Rs485, GPRS (optional), SD card (optional)					
Operation data storage	25 Years					
<b>General Data</b>						
Ambient temperature range	-25°C~+60°C					°C
Topology	Transformerless					
Degree of protection	IP65					
Allowable relative humidity range	0~100%					
Max. Operating altitude	2000					m
Noise	<25					dB
Weight	11.5					kg
Cooling	Natural convection					
Dimension	405x315x135					mm
Display	LCD display					
Warranty	10 years					