

Technical specification

# G2 Sun Series Grid Tie Inverter

SUN-1000G2 / SUN-2000G2



PRODUCT WEBPAGE



## G2 Sun Series Grid Tie Inverter Models

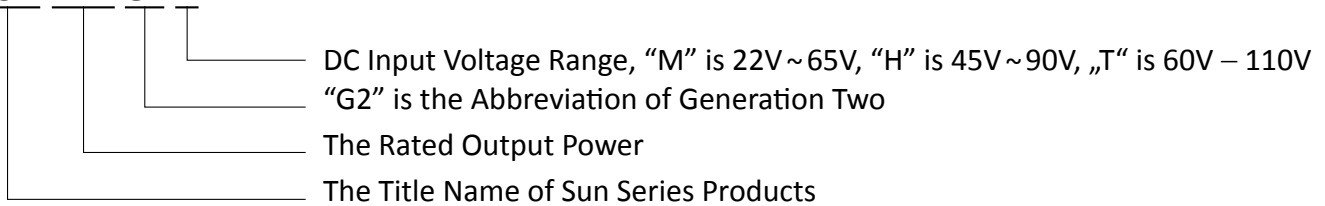
Sun series grid tie inverters include several models, refer to table 1.

Table 1, G2 Sun Series Grid Tie Inverter Models.

Model	Rated Power (Max./Continuous)	DC Input Voltage	AC Output Voltage	AC Output Frequency	Max. Efficiency	Night Power Consumption
SUN-1000G2M	1000 W / 900 W	22 V ~ 65 V	95 V ~ 265 V	45 Hz ~ 64 Hz	90%	1.0 W
SUN-1000G2H	1000 W / 900 W	45 V ~ 90 V	95 V ~ 265 V	45 Hz ~ 64 Hz	92%	1.5 W
SUN-2000G2H	2000 W / 1800 W	45 V ~ 90 V	185 V ~ 265 V	45 Hz ~ 64 Hz	92%	1.5 W
SUN-2000G2-T	2000 W / 1800 W	60 V ~ 110 V	185 V ~ 265 V	45 Hz ~ 64 Hz	92%	1.5 W

Model Name description:

### SUN-XXX G2-X



## Important Safety Information

### Read this First!

This manual contains important instructions to follow during the installation and maintenance of the Sunshine Grid Tie Inverter.

To reduce the risk of electrical shock and ensure the safe installation and operation of the Sunshine Grid Tie Inverter, the following safety symbols appear throughout this document to indicate dangerous conditions and important safety instructions.



### WARNING

This indicates a situation where failure to follow instructions maybe cause a safety hazard or equipment malfunction. Use extreme caution and follow instructions carefully.



### NOTE

This indicates information particularly important for optimal system operation. Follow the instructions closely.

## Technical Data of SUN Series Grid Tie Power Inverter

Table 3. Common Specifications for SUN Series Grid Tie Power Inverter

INPUT DATA (DC)	SUN-XXXG2M	SUN-XXXG2H	SUN-XXXG2-T
Maximum Input DC Voltage	65 V	90 V	110 V
MPPT Voltage Range	25 V – 60 V	50 V – 85 V	70 V – 100 V
Operating DC Voltage Range	22 V – 65 V	45 V – 90 V	60 V – 110 V
Startup Voltage	25 V	49 V	69 V

OUTPUT DATA (AC)	SUN-1000G2-X	SUN-2000G2-X
Nominal Voltage (Range)	110 V (95 – 140 V) / 230 V (185 – 265 V)	230 V (185 – 265 V)
Frequency (Range)	50 Hz (45 – 55 Hz) / 60 Hz (56 – 64 Hz)	50 Hz (45 – 55 Hz) / 60 Hz (56 – 64 Hz)
Power Factor	> 0.95	> 0.95
Output Wave form	Pure Sine Wave	Pure Sine Wave

CHARACTERISTIC DATA	SUN-XXX-X-X
MPPT Efficiency	99%
Over Current Protection	Yes
Temperature Protection	Yes
Reverse Polarity Protection	No
Anti-Island Protection	Yes Just for
Stackable	AC Output
Operating Temperature Range	-20°C ~ 45°C
Storage Temperature Range	-40°C ~ 65°C

There are some common specifications of SUN Series Grid Tie Power Inverter shown in Table 3. Other electrical specifications of every model are listed in Table 1.

### Weight and Dimension of SUN series Grid Tie Power Inverter

Model	SUN-1000G2	SUN- 2000G2
Net Weight	4.0 Kg	5.8 Kg
GrossWeight	5.0 Kg	7.0 Kg
Dimension(Package)	430 mm x 310 mm x 155 mm	540 mm x 310 mm x 155 mm



SUN-1000G2

SUN-2000G2



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