

SWEES

Grid Tie Inverter

SWG TL series

- SWG TL1100
- SWG TL2000
- SWG TL3000

Features

High performance string inverters

- Wide PV Input voltage range
- Rapid MPPT tracking technology
- Superior PV Energy harvest
- Transformerless with higher operation efficiency
- Excellent thermal performance
- Firm IP65 inverter enclosure allows outdoor application

Full data display and communications

- LCD display energy data
- Bright LED indicators imply system status at a glance
- PC software for remote monitoring and system trouble shooting
- Integrated RS232 serial communications



Technical Specification

Model No.	SWG TL1100	SWG TL2000	SWG TL3000
Input (DC)			
Max. DC power	1200W	2300W	3550W
Vmax. PV (absolute maximum)	450V	500V	500V
Isc .PV (absolute maximum)	14A	15.6A	24A
Start Voltage	150Vdc		
PV input operating voltage range	50V-450V	100V-500V	100V-500V
Max.operating PV input current (total)	10A	13.0A	20A
Number of parallel inputs	1	1	2
Number of MPP trackers	1	1	1
Output (AC)			
Nominal AC output power	1100W	2000W	3000W
Max.continuous power	1100W	2200W	3400W
Nominal voltage	230VAC (185 V- 270VAC)		
Nominal frequency	50Hz		
Max. continuous current	5.7A	11.5A	15.7A
Max.output over current protection	10A	20A	30A
Power factor (Cos ϕ)	>0.99		
THDI (at nominal output power)	<3%		
AC connection	Single phase		
Max. efficiency	>96%	>97%	>96%
Euro efficiency	>95%	>96%	>95%
MPPT efficiency	>99%	>99%	>99%
General data			
Dimension (W x H x D) in mm	345 x152x315	345x152x355	345x162x384
Weight	12 Kg	13 Kg	15 Kg
Operating temperature range	-20°C to +60°C	-25°C to +60°C	-20°C to +60°C
Communication	RS232(Wi-Fi Optional)		
*AC grid voltage range and frequency range depend on local standards.			

*Specifications subject to change without prior notice

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Accredited as Channel Partner for Off-grid and Decentralized Solar Applications (PV) under JNNISM,
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