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SOLGT-6000 ZI Solar Inverter



Features

- Rate power: 6KW.
- Wide range of MPPT voltage 100-550V.
- MPPT efficiency up to 99.50%.
- Optional integrated anti-backflow control.
- Multiple communications: USB, WIFI, GPRS etc.
- Monitoring inverters freely via mobile phone APP.
- Continuous adjustable power factor.
- Five year warranty.

SOLGT-6000 ZI

Solar inverter



Model	SOLGT 6000 ZI
RATED POWER (W)	6000
PV INPUT (DC)	
Maximum recommended DC power (W)	7000
Nominal DC operating voltage (V)	360A
Maximum DC voltage (V)	550A
Start voltage (V)	100
MPPT voltage range (V)	80 ~ 550
Maximum input current (A)	11 / 11
Number of MPP tracker	2
Strings per MPP tracker	1
GRID OUTPUT (AC)	
Nominal AC output power (W)	6000
Maximum AC output voltage power (VA)	6000
Nominal output voltage (V); range (V)	220 / 230 / 240; 180-280
AC grid frequency (Hz); range (Hz)	50 / 60; 45 ~ 55 / 55-65
Nominal output current (A)	26.1
Maximum output current (A)	27.3
Total harmonic distortion i(THDi)	< 3%
Power factor at rated power	1
Displacement power factor	0.8 leading ~ 0.8 lagging
AC connection	Single phase
EFFICIENCY	
Maximum efficiency	97.4%
Euro-efficiency	97.0%
MPPT efficiency	99.5%
Self-Consumption night (W)	< 1
PROTECTION	
DC reverse polarity protection	Yes
DC switch rating for each MPPT	Yes (opt.)
Output over current protection	Yes
Output overvoltage protection-varistor	Yes
Ground fault monitorint	Yes
Grid monitoring	Yes
Integrated all-pole sensitive leakage current	Yes
PHYSICAL	
Dimension (W*H*D)mm	355*412*201
Net weight (kg)	16.5
INTERFACE	
DC connection	H4/MC4
AC connection	Connector
Display	LED
Communication interfaces	Wi-Fi / USB / GPRS
INTERFACE	
Ingress protection rating	IP65
Humidity	0 ~ 95% RH (no condensing)
Operating temperature range	-25°C ~ +60°C With derating above 45°C
Cooling concept	Natural
Noise emission (typical) [dB]	≤ 25
Altitude	< 4000m

Product specifications are subject to change without notice.

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