

# Growatt 1000~3300 -S



Single phase grid-tied inverter from 1000W to 3300W for residential application, small capacity supporting small roof utilization, single MPPT design, compact and cost effective.

- Maximum efficiency of 97.6%
- Optional DC switch
- Max. DC voltage up to 550V
- Flexible Interfaces



## GROWATT · PRODUCT

Datasheet	1000-S	2000-S	3000-S	3300-S
<b>Input Data</b>				
Max. recommended PV power (for module STC)	1300W	2600W	3900W	3960W
Max. DC voltage	450V	450V	550V	550V
Start voltage	80V	80V	80V	80V
MPP work voltage range	70V-450V	70V-450V	70V-550V	70V-550V
Nominal voltage	180V	360V	360V	360V
Max. input current	10A	11A	13A	13A
Max. input current per string	10A	11A	13A	13A
Number of independent MPP trackers/strings per MPP tracker	1/1	1/1	1/1	1/1
<b>Output (AC)</b>				
Rated AC output power	1000W	2000W	3000W	3300W
Max. AC power	1000W	2000W	3000W	3300W
Max. output current	4.7A	9.5A	13A	14.3A
AC nominal voltage	220V/230V/240V	220V/230V/240V	220V/230V/240V	220V/230V/240V
AC grid frequency, range	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Adjustable power factor	0.8(leading)...0.8(lagging)	0.8(leading)...0.8(lagging)	0.8(leading)...0.8(lagging)	0.8(leading)...0.8(lagging)
THDI	<3%	<3%	<3%	<3%
AC connection	Single phase	Single phase	Single phase	Single phase
<b>Efficiency</b>				
Max. efficiency	97.4%	97.4%	97.6%	97.6%
Euro weighted efficiency	96.5%	97%	97.3%	97.3%
MPPT efficiency	99.5%	99.5%	99.5%	99.5%
<b>Protection Devices</b>				
DC reverse polarity protection	yes	yes	yes	yes
DC switch	opt	opt	opt	opt
Output over current protection	yes	yes	yes	yes
Output AC overvoltage Protection +Varistor	yes	yes	yes	yes
Ground fault monitoring	yes	yes	yes	yes
Grid monitoring	yes	yes	yes	yes
Integrated cable sensitive leakage current monitoring unit	yes	yes	yes	yes
<b>General Data</b>				
Dimensions (W / H / D) in mm	271/299/141	271/299/141	271/359/141	271/359/141
Weight	6.4KG	6.4KG	9.1KG	9.1KG
Operating temperature range	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C	-25°C ... +60°C
Noise emission (typical)	<25 dB(A)	<25 dB(A)	<25 dB(A)	<25 dB(A)
Self-Consumption night	<0.5 W	<0.5 W	<0.5 W	<0.5 W
Topology	Transformerless	Transformerless	Transformerless	Transformerless
Cooling concept	Natural	Natural	Natural	Natural
Environmental Protection Rating	IP65	IP65	IP65	IP65
Altitude	2000m without derating	2000m without derating	2000m without derating	2000m without derating
Relative humidity	100%	100%	100%	100%
<b>Features</b>				
DC connection	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)	H4/MC4(opt)
AC connection	Connector	Connector	Connector	Connector
Display	LCD	LCD	LCD	LCD
Interfaces: RS232/RF/WIFI/LAN/GPRS	yes/opt/opt/opt/opt	yes/opt/opt/opt/opt	yes/opt/opt/opt/opt	yes/opt/opt/opt/opt
Warranty: 7 years/10 years	yes/opt	yes/opt	yes/opt	yes/opt