

SNV-GT1001SM STRING INVERTER

SINGLE MPPT 1 kW

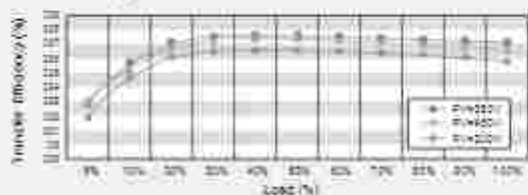


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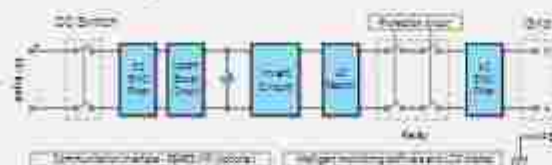
Feature Highlights:

- Max. PV Voltage up to 500V
- High efficiency up to 97.5%
- IP65 protection
- Single MPPT
- Smaller and lighter
- Easy installation

Efficiency curve



Circuit diagram



INPUT (DC)	SNV-GT1001SM
Max. recommended PV power	1.3 kW
Max. DC voltage	500 Vdc
MPPT voltage range	90-490 Vdc
Nominal DC voltage	350 Vdc
Full load MPPT voltage range	100-400 Vdc
Min./start DC voltage	30/100 Vdc
Number of MPPT trackers	1
Strings per MPPT tracker	1
Max. input current per MPPT tracker	11A

OUTPUT (AC)	SNV-GT1001SM
Max. AC output power	1 kW
Nominal AC voltage	230 Vac
AC voltage range	200 Vac±20%
Nominal AC grid frequency	50-60 Hz
AC grid frequency range	50-60 Hz (±5 Hz)
Max. output current	4.5A
Power factor (cos φ)	1
THDi	<3%
AC connection	1P+N+PE
Topology	Transformerless

EFFICIENCY	SNV-GT1001SM
Max. efficiency	97.5%

PROTECTION DEVICES	SNV-GT1001SM
AC leakage current fault protection	Yes
Ground fault protection	Yes
Anti-islanding protection	Yes
DC overvoltage protection	Yes
DC & AC surge protection	Yes
DC reverse polarity protection	Yes

PHYSICAL	SNV-GT1001SM
Dimensions (W*L*D) in mm	264 x 325 x 127
Weight	1.6kg

ENVIRONMENT	SNV-GT1001SM
Operating temperature range	-25°C ~ +60°C
Noise emission (typical)	<25dB
Cooling type	Natural cooling
Protection rating	IP65

FEATURES	SNV-GT1001SM
LCD display	Yes
Interfaces	RS485
Optional	RF Plug, GPRS Plug

Specifications subject to change without prior notice