ICAsolar®

SNV-GT8033QT

STRING INVERTER

QUADRUPLE MPPT

80 kW



- Max. PV Voltage up to 1100V
  Type II DC / AC SPD
- Reactive Power Control
  Zero Export Control (with Power Meter)
  Optional
- DC/AC Ratio up to 1.5
  IP66 Protection
- High Efficiency up to 98.6%
  Smaller and Lighter

INPUT (DC)	SNV-GT8033QT
Max. DC voltage	1100Vdc
Nominal voltage	650Vdc
Start voltage	250V
MPPT voltage range	200V-1000V
Number of MPPT	4
Strings per MPPT	3
Max. input current per MPPT	45A
Max. short-circuit current per MPPT	60A

OUTPUT(AC)	
Nominal AC output power	80 kW
Max. AC output power	88 kVA
Nominal AC voltage	400V 3L+N+PE
AC grid frequency range	50Hz / 60Hz (±5Hz)
Max. output current (A)	127.5A
Power factor (cos Φ)	0.8 leading ~ 0.8 lagging
THDi	≤3%

EFFICIENCY	
Max. efficiency	98.60%
Euro efficiency	98.30%

PROTECTION DEVICES	
DC switch	Yes
Output over current protection	Yes
Anti-islanding protection	Yes
DC reverse polarity protection	Yes
String fault detection	Yes
DC/AC surge protection	Type II
Insulation fault detection	Yes
AC short circuit protection	Yes

GENERAL SPECIFICATIONS	
Dimensions W x H x D (mm)	515 x 585 x 287
Weight (kg)	55
Operating temperature range	–25°C~+60°C
Cooling type	Fan cooling
Max. operation altitude	4000m
Max. operation humidity	0-100% (No condensation)
IP class	IP66
Topology	Transformerless
Communication Interface	RS485 standard, WiFi or Ethernet (optional)
Display	LCD
Certification & standard	EN/IEC62109-1;EN/IEC62109-2;IEC/EN 61000-6-1;IEC/EN 61000-6-3;IEC/EN61000-6-2;IEC/EN61000-6-4;IEC61683;IEC60068;IEC60529;IEC62116;IEC61727;EN50549-1;NCRfG;NRS 097;VDE-AR-N-4105;VDE0126;CEI0-21;C10/C11

*Specifications subject to change without prior notice.