ICAsolar®

SNV-GT5023DT

STRING INVERTER

DOUBLE MPPT

5 kW

Feature Highlights:

- Max. PV Voltage up to 1100V
- Single MPPT
- DC power up to 2 ratio
- High efficiency up to 98.4%
- Smaller and lighter
- DC/AC surge protection
- IP65 protection
- WiFi/4G plug optional
- In-Build DC Switch

Max. PV voltage up to 1100V
DC/AC ratio up to 2

Compatible for big capacity PV panel
WiFi / 4G plug optional

Type II DC SPD/Type II AC SPD
IP65 protection

High efficiency up to 98.4%,
Smaller and lighter

INPUT (DC)	SNV-GT5023DT
Max. recommended PV power	10000W
Max. DC voltage	1100Vdc
Nominal voltage	600Vdc
Start voltage	180V
MPPT voltage range	140V-1000V
Number of MPPT	2
Strings per MPPT	1
Max. input current per MPPT	15A
Max. short-circuit current per MPPT	25A
OUTPUT(AC)	
Nominal AC output power	5000W
Max. AC output power	5500VA
Nominal AC voltage	400V 3L+N
AC grid frequency range	50Hz / 60Hz (±5Hz)
Max. output current (A)	8.5A
Power factor (cos Φ)	0.8 leading to 0.8 lagging
THDi	3%
EFFICIENCY	
Max. efficiency	98.40%
Euro efficiency	97.50%
PROTECTION DEVICES	
DC switch	Yes
Output over current	Yes
Anti-islanding protection	Yes
DC reverse polarity protection	Yes
String fault Detection	Yes
AC/DC surge protection	Type II
Insulation detection	Yes
AC short circuit protection	Yes
GENERAL SPECIFICATIONS	
Dimensions W x H x D (mm)	380*483*161
Weight (kg)	<18
ENVIRONMENT	
Operating temperature range	–25°C~+60°C
Cooling type	Natural cooling
Max. operation altitude	4000m
Max. operation humidity	0-100% (No condensation)
AC output terminal type	Connector
IP class	IP65
Topology	Transformerless
Communication Interface	RS485/WiFi/4G
Display	LCD
Certification & standard	EN/IEC62109-1/2

*Specifications subject to change without prior notice.