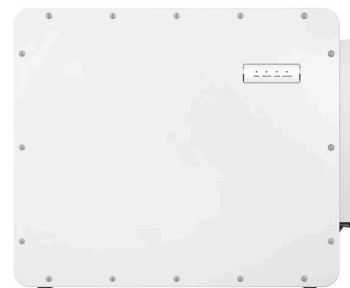


INVERTERS

G6-GC3P150K07-NV-ND

String inverter · Three-phase · 150 kW


150 kW

RATED POWER

Three-phase

PHASE

7

MPPT TRACKERS

98.8 %

MAX. EFFICIENCY

Parameter	Unit	G6-GC3P150K07-NV-ND
PV input		
Max. PV input voltage	V	1100
Rated PV input voltage	V	600
Start-up voltage	V	180
MPPT voltage range	V	160 – 1000
Max. input current per MPPT	A	54
Max. short-circuit current per MPPT	A	75
Number of MPPT trackers		7
Max. number of PV string inputs		21
AC output		
Rated output power	W	150000
Max. apparent power	VA	165000
Max. active power	W	165000
Rated AC voltage	V	380
Grid connection type		3/N/PE
Phase		Three-phase
Rated AC frequency	Hz	50
Rated AC output current	A	227.9
Max. AC output current	A	250.6
Power factor		>0.99 (0.8 leading to 0.8 lagging)
Total harmonic distortion (THDi)	%	<3
Max. units in master-slave zero-export (anti-backflow) control		10

Parameter	Unit	G6-GC3P150K07-NV-ND
Efficiency		
Max. efficiency	%	98.8
China efficiency	%	98.1
Protection		
Protection functions		AC/DC terminal over-temperature protection; DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; Surge protection (DC Type II, AC Type II); Grid monitoring; Anti-islanding protection; Temperature protection; String monitoring; I-V curve scanning; Night-time SVG function; PID recovery (optional); Integrated DC switch; DC arc-fault protection (AFCI) (optional); Three-phase unbalance control (optional)
General data		
Dimensions (W x H x D)	mm	1035.5 × 869 × 396
Weight	kg	105
Topology		Transformerless
Night-time power consumption	W	<2
Operating temperature range	°C	-30 – 60
Relative humidity	%	0 – 100
Ingress protection (IP rating)		IP66
Cooling		Intelligent air cooling
Max. operating altitude	m	4000
DC port		MC4 connector
AC port		OT terminal (max. 400 mm ²)
Communication		
Display		LED indicators, Bluetooth + app
Communication interfaces		RS485 (2 independent ports); Wi-Fi (optional); GPRS (optional); PLC (optional)
Certifications		
Certifications and standards		IEC 62109-1/-2; IEC 61000-6-2/-4; NB/T 32004
Grid codes		NB/T 32004

Specifications are subject to change without notice. Values are typical at 25 °C unless stated.

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