

INVERTERS

G6-GR1P(9-10)K03-NV-ND

String inverter · Single-phase · 9 – 10 kW · 2 models


9 – 10 kW

RATED POWER

Single-phase

PHASE

3

MPPT TRACKERS

98 %

MAX. EFFICIENCY

Parameter	Unit	G6-GR1P9K03-NV-ND	G6-GR1P10K03-NV-ND
PV input			
Max. PV input power	W	13500	15000
Max. PV input voltage	V	550	
Rated PV input voltage	V	330	
Start-up voltage	V	60	
MPPT voltage range	V	50 – 500	
Max. input current per MPPT	A	20	
Max. short-circuit current per MPPT	A	25	
Number of MPPT trackers		3	
Max. number of input strings		3	
AC output			
Rated output power	W	9000	10000
Max. apparent power	VA	9900	10000
Max. active power	W	9900	10000
Rated AC voltage	V	220	
Rated AC output current	A	40.9	45.5
Max. AC output current	A	45	45.5
Phase		Single-phase	
Rated AC frequency	Hz	50	
Total harmonic distortion (THDi)	%	<3	
Power factor		>0.99 (0.8 leading ... 0.8 lagging)	
Grid connection type		L/N/PE	

Parameter	Unit	G6-GR1P9K03-NV-ND	G6-GR1P10K03-NV-ND
Efficiency			
Max. efficiency	%	98	
European efficiency	%	97.1	
Protection			
Protection functions		DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; Surge protection; Grid monitoring; Anti-islanding protection; Temperature protection; Multi-peak scanning; Integrated DC switch; DC arc fault protection (AFCI)(optional)	
General data			
Dimensions (W x H x D)	mm	335 × 510 × 220	
Weight	kg	16.1	
Topology		Transformerless	
Night-time power consumption	W	<1	
Operating temperature range	°C	-25 – 60	
Relative humidity	%	0 – 100	
Ingress protection (IP rating)		IP66	
Noise level	dB	<40	
Cooling		Natural cooling with built-in fan	
Max. operating altitude	m	4000	
DC connection		MC4 connector	
AC connection		OT terminal	
Communication			
Display		LED digital display; Bluetooth + app	
Communication interfaces		RS485; Wi-Fi (optional); GPRS (optional)	
Monitoring		24-hour load consumption monitoring	
CT and meter interface		Integrated	
Certifications			
Certifications and standards		IEC 62109-1/-2; IEC 61000-6-1/-2/-3/-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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