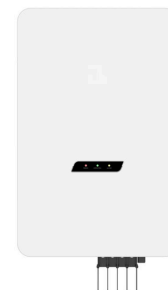


INVERTERS

G6-GC3P40K-NV-ND

String inverter · Three-phase · 40 kW · 2 models


40 kW

RATED POWER

Three-phase

PHASE

3

MPPT TRACKERS

98.7 %

MAX. EFFICIENCY

Parameter	Unit	G6-GC3P40K03-NV-ND	G6-GC3P40K04-NV-ND
PV input			
Max. PV input power	W	52000	
Max. PV input voltage	V	1100	
Rated PV input voltage	V	600	
Start-up voltage	V	180	
MPPT voltage range	V	180 – 1000	
Max. input current per MPPT	A	40	
Max. short-circuit current per MPPT	A	50	
Max. input current per MPPT (tracker by tracker)	A	40 / 40 / 40	40 / 40 / 20 / 20
Max. short-circuit current per MPPT (tracker by tracker)	A	50 / 50 / 50	50 / 50 / 25 / 25
Number of MPPT trackers		3	4
Max. number of input strings		6	6 (2 + 2 + 1 + 1 per MPPT)
AC output			
Rated output power	W	40000	
Max. apparent power	VA	44000	
Max. active power	W	44000	
Rated AC voltage	V	380	
Rated AC voltage (phase / line-to-line)	V	220/380	
Rated AC output current	A	60.8	
Max. AC output current	A	66.9	
Phase		Three-phase	
Grid connection type		3/N/PE	

Parameter	Unit	G6-GC3P40K03-NV-ND	G6-GC3P40K04-NV-ND
Rated AC frequency	Hz	50	
Power factor		>0.99 (0.8 leading to 0.8 lagging)	
Total harmonic distortion (THDi)	%	<3	
Efficiency			
Max. efficiency	%	98.7	
China efficiency	%	98.1	
Protection			
Protection functions		DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; Surge protection (Type II DC / Type II AC); Grid monitoring; Anti-islanding protection; Temperature protection; String monitoring; I/V curve scanning; Multi-peak scanning; Integrated DC switch; DC arc fault protection (AFCI)(optional)	
General data			
Dimensions (W x H x D)	mm	418 × 648 × 265	
Weight	kg	27.1	
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	≤60	
Cooling		Intelligent air cooling	
Max. operating altitude	m	4000	
DC connection		MC4 connector	
AC connection		OT terminal	
Warranty	years	5 – 20	
Warranty options		5 years standard; extendable up to 20 years	
Communication			
Display		LED indicator; Bluetooth + app	
Communication interfaces		RS485; Wi-Fi (optional); GPRS (optional); 4G (optional)	
RS485 ports		2 independent ports (multi-device communication)	
Monitoring		24-hour load consumption monitoring; one-scan access to the cloud monitoring platform, with remote upgrade and settings	
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.
XUSION is a brand of Hunan New Lithium Aviation Technology Co., Ltd.

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