

INVERTERS

G6-GR3P(5-10)K02-NV-ND

String inverter · Three-phase · 5 – 10 kW · 4 models


5 – 10 kW

RATED POWER

Three-phase

PHASE

2

MPPT TRACKERS

98.3 – 98.5 %

MAX. EFFICIENCY

Parameter	Unit	G6-GR3P5K02-NV-ND	G6-GR3P6K02-NV-ND	G6-GR3P8K02-NV-ND	G6-GR3P10K02-NV-ND
PV input					
Max. PV input power	W	7500	9000	12000	15000
Max. PV input voltage	V	1100			
Rated PV input voltage	V	600			
Start-up voltage	V	160			
MPPT voltage range	V	160 – 1000			
Max. input current per MPPT	A	21			
Max. short-circuit current per MPPT	A	26.5			
Number of MPPT trackers		2			
PV strings per MPPT		1			
Max. number of input strings		2			
AC output					
Rated output power	W	5000	6000	8000	10000
Max. apparent power	VA	5500	6600	8800	11000
Max. active power	W	5500	6600	8800	11000
Rated AC voltage	V	380			
Grid connection type		3/N/PE			
Phase		Three-phase			
Rated AC frequency	Hz	50			
Rated AC output current	A	7.6	9.1	12.2	15.2
Max. AC output current	A	8.4	10	13.4	16.7
Power factor		>0.99 (0.8 leading to 0.8 lagging)			
Total harmonic distortion (THDi)	%	<3			

Parameter	Unit	G6-GR3P5K02-NV-ND	G6-GR3P6K02-NV-ND	G6-GR3P8K02-NV-ND	G6-GR3P10K02-NV-ND
Efficiency					
Max. efficiency	%	98.3		98.5	
China efficiency	%	97.7		97.9	
Protection					
Protection functions		DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; Surge protection; Grid monitoring; Anti-islanding protection; Temperature protection; 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	355 × 410 × 179			
Weight	kg	14.7		15.4	
Topology		Transformerless			
Night-time power consumption	W	<1			
Operating temperature range	°C	-25 – 60			
Relative humidity	%	0 – 100			
Ingress protection (IP rating)		IP66			
Corrosion protection class		C5			
Noise level	dB	<30			
Cooling		Natural cooling			
Max. operating altitude	m	4000			
DC connection		MC4 connector			
AC connection		Quick connector			
Communication					
Display		LED digital display			
Communication interfaces		RS485 (2 independent ports); GPRS; 4G			
Monitoring		Bluetooth + app; 24-hour load consumption monitoring			
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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