

INVERTERS

G6-GR3P(30-40)K

String inverter · Three-phase · 30 – 40 kW · 4 models


30 – 40 kW

RATED POWER

Three-phase

PHASE

3

MPPT TRACKERS

98.5 – 98.6 %

MAX. EFFICIENCY

Parameter	Unit	G6-GR3P30K03	G6-GR3P33K	G6-GR3P36K	G6-GR3P40K-HV
PV input					
Max. PV input power	W	39000	43000	47000	52000
Max. PV input voltage	V	1100			
Rated PV input voltage	V	600			720
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			
Number of MPPT trackers		3			
PV strings per MPPT		2			
Max. number of PV input strings		6			
AC output					
Rated output power	W	30000	33000	36000	40000
Max. apparent power	VA	33000	36300	39600	44000
Max. active power	W	33000	36300	39600	44000
Rated AC voltage	V	380			480
Grid connection type		3/N/PE			3/PE
Phase		Three-phase			
Rated AC frequency	Hz	50			
Rated AC output current	A	45.6	50.1	54.7	48.1
Max. AC output current	A	50.2	55.1	60.2	53
Power factor		>0.99 (0.8 leading to 0.8 lagging)			
Total harmonic distortion (THDi)		<3			

Parameter	Unit	G6-GR3P30K03	G6-GR3P33K	G6-GR3P36K	G6-GR3P40K-HV
Efficiency					
Max. efficiency	%	98.5			98.6
China efficiency	%	98			
Protection					
Protection functions		DC reverse polarity protection; AC short-circuit protection; AC output overcurrent protection; surge protection; grid monitoring; anti-islanding protection; temperature protection; string monitoring; I-V curve scanning; multi-peak scanning; integrated DC switch; DC arc fault protection (optional)			
General data					
Dimensions (W x H x D)	mm	355 × 625 × 250			
Weight	kg	25.4	26.4		
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	≤55			
Cooling		Intelligent air cooling			
Max. operating altitude	m	4000			
DC connection		MC4 connector			
AC connection		OT terminal			
Communication					
Display		LED indicators			
Communication interfaces		RS485 (2 independent ports); GPRS (optional); 4G (optional); Wi-Fi (optional)			
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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