

INVERTERS

G6-GR1P(1-3.6)K-M

String inverter · Single-phase · 1 – 3.6 kW · 6 models


1 – 3.6 kW

RATED POWER

Single-phase

PHASE

1

MPPT TRACKERS

96.6 – 97.3 %

MAX. EFFICIENCY

Parameter	Unit	G6-GR1P1K-M	G6-GR1P1.5K-M	G6-GR1P2K-M	G6-GR1P2.5K-M	G6-GR1P3K-M	G6-GR1P3.6K-M
PV input							
Max. PV input power	W	1200	1800	2300	3000	3500	4000
Max. PV input voltage	V	550					
Rated PV input voltage	V	200		330			
Start-up voltage	V	60		90			
MPPT voltage range	V	50 – 500		80 – 500			
Max. input current per MPPT	A	14					19
Max. short-circuit current per MPPT	A	22					30
Number of MPPT trackers		1					
PV strings per MPPT		1					2
AC output							
Rated output power	W	1000	1500	2000	2500	3000	3600
Max. apparent power	VA	1100	1650	2200	2750	3300	3600
Max. active power	W	1100	1650	2200	2750	3300	3600
Rated AC voltage	V	220					
Rated AC output current	A	4.5	6.8	9.1	11.4	13.6	16.4
Phase		Single-phase					
Rated AC frequency	Hz	50					
Max. AC output current	A	5.2	8.1	10.5	13.3	15.7	17.4
Total harmonic distortion (THDi)	%	<3					
Power factor		>0.99 (0.8 leading to 0.8 lagging)					
Efficiency							
Max. efficiency	%	96.6		97.1			97.3
European efficiency	%	95.3	95.4	96.6	96.7		96.8

Parameter	Unit	G6-GR1P1K-M	G6-GR1P1.5K-M	G6-GR1P2K-M	G6-GR1P2.5K-M	G6-GR1P3K-M	G6-GR1P3.6K-M
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 (optional)					
Anti-backflow (export power management)		Integrated (EPM)					
General data							
Dimensions (W x H x D)	mm	310 × 373 × 160					
Weight	kg	7.4		7.7		7.8	
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	<20					
Cooling		Natural cooling					
Max. operating altitude	m	4000					
DC connector		MC4					
AC connector		Quick connector					
Communication							
Display		LCD					
Communication interfaces		RS485; Wi-Fi (optional); GPRS (optional)					
Monitoring		24 h 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.

E-mail lidreamtec@163.com
WhatsApp +86 133 5280 0772