10/15kW String Inverter 3P



DATASHEET

SUN-10K-G06P3-EU-AM2
SUN-15K-G06P3-EU-AM2

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v.2 (19/01/26)

PLEASE RETAIN FOR FUTURE REFERENCE

Product Parameters

Note

Approvals and certification are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.

Model	SUN-10K-G06P3-EU-AM2	SUN-15K-G06P3-EU-AM2
PV String Input Data		
Max. PV Input Power	15kW	22.5kW
Max. PV Input Voltage	1100V	
Start-Up Voltage	140V	
PV Input Voltage Range	140-1100V	
MPPT Voltage Range	120-1000V	
Full Load MPPT Voltage Range	480-850V	
Rated PV Input Voltage	600V	
Max. Input Short Circuit Current	19.5+19.5A	19.5+39A
Max. Operating PV Input Current	13+13A	13+26A
No. of MPP Trackers/ No. of Strings MPP Tracker	2/1+1	2/1+2
Max. Inverter Backfeed Current to the Array	0	
AC Output Side		
Rated AC Output Active Power	10kW	15kW
Max. AC Output Active Power	11W	16.5W
Max. AC Output Apparent Power	11kVA	16.5kVA
Rated AC Output Current	15.2/14.5A	22.8/21.8A
Max. AC Output Current	16.7/16.0A	25/24A
Max. Output Fault Current	29A	43.6A
Max. Output Overcurrent Protection	47.7A	47.7A
Rated Output Voltage/Range	220/380V, 230/400V 0.85Un-1.1Un	
Grid Connection Form	3L+N+PE	
Rated Output Grid Frequency/Range	50Hz/45-55Hz, 60Hz/55-65Hz	
Power Factor Adjustment Range	0.8 Leading - 0.8 Lagging	
Total Current Harmonic Distortion THDi	<3%	
DC Injection Current	<0.5%In	
Efficiency		
Max. Efficiency	98.3%	98.5%
Euro Efficiency	97.8%	98.0%
MPPT Efficiency	>99%	

Equipment Protection		
Integrated	DC Reverse Polarity Protection, AC Output Over-Current Protection, AC Output Over-Voltage Protection, AC Output Short Circuit Protection, Thermal Protection, Insulation Impedance Detection, DC Component Monitoring, Ground Fault Current Monitoring, Arc Fault Circuit Interrupter (AFCI) (Optional), Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch, Over-Voltage Load Drop Protection, Residual Current Detection	
Surge Protection Level	TYPE II(DC), TYPE II(AC)	
Interface		
Communication Interface	RS485/RS232	
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN (Optional)	
Display	LCD+LED	
General Data		
Operating Temperature Range	-25 to +60°C, >45°C Derating	
Permissible Ambient Humidity	0-100%	
Permissible Altitude	4000m	
Noise	<45dB	
Ingress Protection (IP) Rating	IP65	
Inverter Topology	Non-Isolated	
Over Voltage Category	OVC II(DC), OVC III(AC)	
Cabinet Size (WxHxD)	283x463x178mm (Excluding Connectors and Brackets)	
Weight	11kg	
Warranty	See website for Warranty details	
Type of Cooling	Natural Cooling	Intelligent Air Cooling
Grid Regulation	Approvals and certifications are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.	
Safety EMC/Standard	Approvals and certifications are subject to change without prior notice. Please confirm the current status with Sunsynk before placing an order.	



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