30kW String Inverter 3P



DATASHEET

SUN-30K-G04

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v.2 (07/05/26)

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-30K-G04
PV String Input Data	
Max. PV Input Power	39kW
Max. PV Input Voltage	1100V
Start-Up Voltage	250V
MPPT Voltage Range	200-1000V
Rated PV Input Voltage	600V
Max. Input Short Circuit Current	60+60A
Max. Operating PV Input Current	40+40A
No. of MPP Trackers/ No. of Strings MPP Tracker	2/3+3
AC Output Side	
Rated AC Output Active Power	30kW
Max. AC Output Apparent Power	33kVA
Rated AC Output Current	45.5/43.5A
Max. AC Output Current	50/47.9A
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	98.6%
Euro Efficiency	98.1%
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 Impendence Monitoring, DC Component Monitoring, Ground Fault Current Detection, DC Component Monitoring, Arc Fault Circuit Interrupter (AFCI) (Optional), Anti-islanding Protection, Residual Current Detection, DC Switch
Surge Protection Level	TYPE II(DC), TYPE II(AC)

Interface	
Communication Interface	RS485/RS232
Monitor Mode	GPRS/WIFI/Bluetooth/4G/LAN (Optional)
General Data	
Operating Temperature Range	-25 to +60°C, >45°C Derating
Permissible Ambient Humidity	0-100%
Permissible Altitude	4000m
Noise	≤60dB
Ingress Protection (IP) Rating	IP65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD)	330x572x206mm (Excluding Connectors and Brackets)
Weight	28.7kg
Warranty	See website for Warranty details
Type of Cooling	Intelligent Air Cooling
Grid Regulation	This product complies with ISO and its relevant norms and standards. Approvals and certifications are subject to change without notice. Please verify current status with Sunsynk before ordering.
Safety EMC/Standard	



Contact Us

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