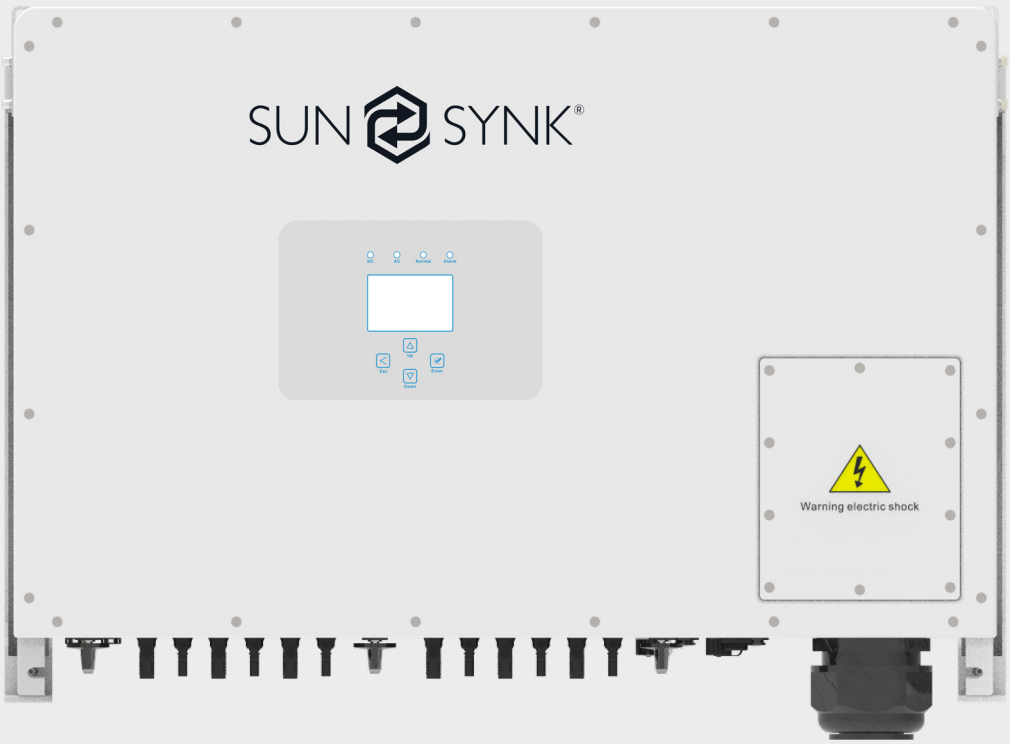
String Inverters 3P



DATASHEET

SUNSYNK-70K-G03
SUNSYNK-75K-G03
SUNSYNK-80K-G03
SUNSYNK-90K-G03
SUNSYNK-100K-G03
SUNSYNK-110K-G03

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v.4 (05.04.26)

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	SUNSYNK-70K-G03	SUNSYNK-75K-G03	SUNSYNK-80K-G03	SUNSYNK-90K-G03	SUNSYNK-100K-G03	SUNSYNK-110K-G03
PV String Input Data						
Max. PV Input Power	91kW	97.5kW	104kW	135kW	150kW	
Max. PV Input Voltage	1000V					
Start-Up Voltage	250V					
MPPT Voltage Range	200-850V					
Rated PV Input Voltage	600V					
Max. Operating PV Input Current	40+40+40+40A			40+40+40+40+40+40A		
Max. Input Short Circuit Current	60+60+60+60A			60+60+60+60+60+60A		
No. of MPP Trackers/ No. of Strings MPP Tracker	4/4+4+4+4			6/4+4+4+4+4+4		
AC Output Side						
Rated AC Output Active Power	70kW	75kW	80kW	90kW	100kW	110kW
Max. AC Output Apparent Power	77kVA	82.5kVA	88kVA	99kVA	110kVA	121kVA
Rated AC Output Current	106.1/101.5A	113.6/108.7A	121.2/115.9A	136.4/130.4A	151.5/144.9A	166.7/159.4A
Max. AC Output Current	116.7/111.6A	125/119.6A	133.3/127.5A	150/143.5A	166.7/159.4A	183.3/175.4A
Rated Output Voltage/Range	220/380V, 230/400V 0.85Un-1.1Un					
Grid Connection Form	3L/N/PE					
Rated Output Grid Frequency/Range	50/45-44Hz, 60/55-65Hz					
Power Factor Adjustment Range	0.8 Leading to 0.8 Lagging					
Total Current Harmonic Distortion THDi	<3%					
DC Injection Current	<0.5%In					
Efficiency						
Max. Efficiency	98.7%			98.8%		
Euro Efficiency	98.1%			98.2%		
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, 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/WiFi/LAN
LCD/LED Display	LCD 240x160mm
General Data	
Operating Temperature Range	-25~60°C
Permissible Ambient Humidity	0-100%
Permissible Altitude	4000m
Noise	≤55dB
Ingress Protection (IP) Rating	IP65
Inverter Topology	Non-Isolated
Over Voltage Category	OVC II(DC), OVC III(AC)
Cabinet Size (WxHxD)	824x516x312.7mm (Excluding Connectors and Brackets)
Weight	81kg
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	



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