

# On-Grid Micro Inverter SUN600~1000G3-US-220/EU-230

## COMPACT YET POWERFUL

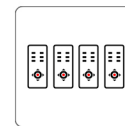
G3 is the new generation of on-grid micro inverters with intelligent grid connection and monitoring system to ensure maximum efficiency. G3 is optimized to effectively accommodate PV modules with up to 500W output and dual MPPTs.



Support Reactive Power Compensation



Rapid Shutdown Function



2 MPPT Trackers, Module Level Monitoring



IP67 Protection Degree, 10-Year Warranty



PLC, Zigbee or Wi-Fi Communication

# Micro Inverter Series

Model	SUN600G3-US220 SUN600G3-EU-230	SUN800G3-US220 SUN800G3-EU-230	SUN1000G3-US220 SUN1000G3-EU-230
<b>DC Input</b>			
Recommended Input Power (STC)	210-400W (2 PCs)	210-500W (2 PCs)	210-600W (2 PCs)
Maximum Input DC Voltage	60V		
MPPT Voltage Range	25-55V		
Operating DC Voltage Range	20-60V		
Max. DC Short Circuit Current	2 × 19.5A		
Max. Input Current	2 × 13A		
Number of MPPT / Strings per MPPT	2 / 1		
<b>AC Output</b>			
Rated Output Power	600W	800W	1000W
Rated Output Current	2.7A(US) / 2.6A (EU)	3.6A(US) / 3.5A (EU)	4.5A(US) / 4.3A (EU)
Nominal Voltage / Range (Varies with Grid Standards)	220V / 176-242V(US) 230V / 184-265V(EU)		
Nominal Frequency / Range	50 / 60Hz		
Extended Frequency / Range	45-55Hz / 55-65Hz		
Power Factor	>0.99		
Maximum Units per Branch	8	6	5
<b>Efficiency</b>			
CEC Weighted Efficiency	95.00%		
Peak Inverter Efficiency	96.50%		
Static MPPT Efficiency	99.00%		
Night Time Power Consumption	50mW		
<b>General</b>			
Operating Temperature Range	-40-65°C		
Dimension (W x H x D)	212 × 230 × 40 mm (Without Mounting Bracket and Cable)		
Weight	3.15KG		
Cooling	Natural Convection		
Protection Degree	IP67		
Warranty	10 Years		
Compatibility	Compatible with 60-72 Cell PV Modules		
Communication	Power Line / Wi-Fi / Zigbee		
<b>Certifications and Standards</b>			
Grid Connection Standard	EN50549-1, VDE0126-1-1, VDE 4105, ABNT NBR 16149, ABNT NBR 16150, ABNT NBR 62116, RD1699, UNE 206006 IN, UNE 206007-1 IN, IEEE1547		
Safety EMC / Standard	UL 1741, IEC62109-1/-2, IEC61000-6-1, IEC61000-6-3, IEC61000-3-2, IEC61000-3-3		
<b>Note: Specifications are subject to change without advance notice.</b>			