

Micro Inverter

600W/700W/800W/900W/1000W



HIGHER YIELDS

Up to 30% More Energy
50 °C full power operation



SAFETY&RELIABILITY

RSD Compliance
IP67



FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications



STRONG COMMUNICATION

Encrypted Sub-1G Solution
for Residential & Commercial

Technical Specifications



Model	SUN-600WE-P2	SUN-700WE-P2	SUN-800WE-P2	SUN-900WE-P2	SUN-1000WE-P2
Input Data (DC)					
Commonly Module Power (W)	240 to 410+	270 to 460+	330 to 550+	350 to 610+	390 to 680+
Peak Power MPPT Voltage Range (V)	33-48				
Start-up Voltage (V)	21				
Maximum Input Voltage (V)	65				
Maximum Input Current (A)	2×13	2×14	2×15	2×16	2×17
Maximum Input Short Circuit Current (A)	2×25				
Number of MPPTs	2				
Number of Inputs per MPPT	1				
Output Data (AC)					
Rated Output Power (VA)	600	700	800	900	1000
Rated Output Current (A)	2.6	3.0	3.4	3.9	4.3
Maximum Units per 10AWG Branch ²	12	10	9	8	7
Maximum Units per 12AWG Branch ²	7	6	5	5	4
Nominal Output Voltage/ Range (V) ¹	230 / 240				
Nominal Frequency/Range (Hz) ¹	50 / 60				
Power Factor (adjustable)	0.8leading..0.8lagging				
Total Harmonic Distortion	< 3%				
Efficiency					
CEC Peak Efficiency	96.80%	96.80%	96.80%	96.60%	96.60%
Nominal MPPT Efficiency	99.80%				
Nighttime Power Consumption (mW)	<50				
Packing Configuration					
Container	40'HQ/20'HQ				
Pieces/Pallet	150 / 150				
Pallets per Container	40 / 20				
Pieces per Container	6000 / 3000				
General Data					
Ambient Temperature Range (°C)	-40 to +65				
Dimensions (W×H×Dmm)	361×222×36.5 (including 3 hooks)				
Weight (kg)	3.2				
Enclosurerating	Outdoor IP67 (NEMA 6)				
Cooling	Natural Convection (no fans)				
Communication	Wifi				
Monitoring	Cloud via App				
Type of Isolation	Galvanically Isolated HF Transformer				
Compliance	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1:2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2, EN300328, EN301489-1/-3/-17, EN62311, C10/11 PN- EN50549-1:2019, NC- RfG, ORDINANCE 140_2022				

*1 Nominal voltage / frequency range can vary depending on local requirements.

*2 Refer to local requirements for exact number of microinverters per branch.