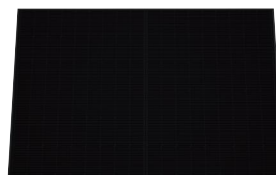
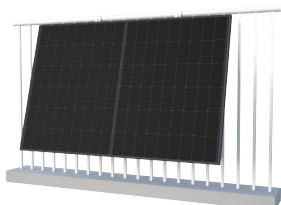
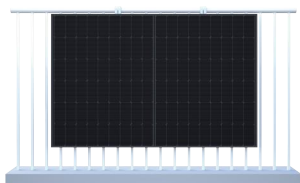




Balcony Solar System



HIGHER YIELDS

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



STRONG COMMUNICATION

Encrypted Sub-1G Solution
for Residential & Commercial



FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications



SAFETY & RELIABILITY

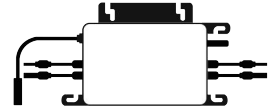
RSD Compliance
IP67



Model(Micro Inverter)

SUN-800WE-P2

Input DC	SUN-800WE-P2	SUN-1000WE-P2
Commonly Module Power (W)	330 to 550+	390 to 680+
Peak Power MPPT Voltage Range (V)	33-48	33-48
Start-up Voltage (V)	21	21
Maximum Input Voltage (V)	65	65
Maximum Input Current (A)	2×15	2×17
Maximum Input Short Circuit Current (A)	2×25	2×25
Number of MPPTs	2	2
Number of Inputs per MPPT	1	1



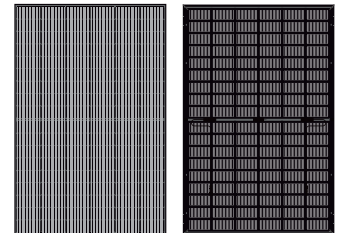
Output AC	SUN-800WE-P2	SUN-1000WE-P2
Rated Output Power (VA)	800	1000
Rated Output Current (A)	3.4	4.3
Maximum Units per 10AWG Branch	9	7
Maximum Units per 12AWG Branch	5	4
Nominal Output Voltage/ Range (V)	230 / 240	230 / 240
Nominal Frequency/Range (Hz)	50 / 60	50 / 60
Power Factor (adjustable)	0.8leading..0.8lagging	0.8leading..0.8lagging
Total Harmonic Distortion	<3%	<3%

General Data	
Ambient Temperature Range (°C)	-40 to +65
Dimensions (W×H×Dmm)	361×222×36.5 (including 3 hooks)
Weight (kg)	3.2
Enclosuresrating	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

Model(Solar Panel)

Electrical Characteristics (STC/NOCT)		
Module Type	SKT430M10-108D4	
	STC	NOCT
Maximum Power- Pmax(W)	430	328.7
Open Circuit Voltage - Voc(V)	38.72	36.80
Short- Circuit Current - Isc(A)	14.25	11.49
Voltage at Pmax -Vmp(V)	32.34	30.19
Current at Pmax - Imp(A)	13.30	10.89
Module Efficiency - ηm(%)	22.00	/
Power Tolerance(W)	(0, +4.99W)	
Maximum System Voltage(V)	1500Vdc (IEC / UL)	
Maximum Series Fuse Rating (A)	30A	
STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5	NOCT : Irradiance 800W/m², Ambient Temperature 20, Air Mass 1.5, Wind Speed 1m/s	



Mechanical Specifications		Bifacial Output Rear Side Power Gain		
External Dimensions	1722x1134x30mm	Power Gain	5%	15%
Weight	21kg	Maximum Power- Pmax(W)	451.5	494.5
Solar Cells	N-Type 16BB 182mm (2x54pcs)	Open Circuit Voltage - Voc(V)	38.76	38.76
Front Glass	AR Coated 1.6+1.6 mm tempered glass	Short- Circuit Current - Isc(A)	14.79	16.16
Frame	Anodized aluminum alloy	Voltage at Pmax -Vmp(V)	32.37	32.37
Junction Box	IP68	Current at Pmax - Imp(A)	13.95	15.28
Output Cables	4.0mm², 1200mm (+), 1200mm (-), length can be customized			
Connector	MC4 Compatible			
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa			

Model(quick plug cable)

Characteristics	
Cable	5m