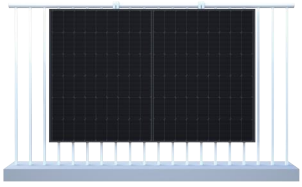
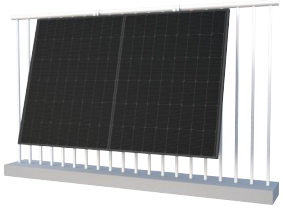
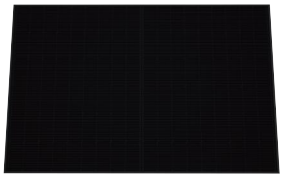




Balcony Solar System









HIGHER YIELDS

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

STRONGCOMMUNICATION

Encrypted Sub-1G Solution
for Residential & Commercial

FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications

SAFETY&RELIABILITY

RSD Compliance
IP67

CE MSDS UN 38.3 ISO

SUNKET® -ESS

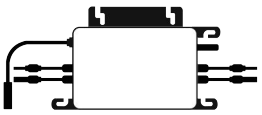
SUNKET®-ESS

Balcony Solar System

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

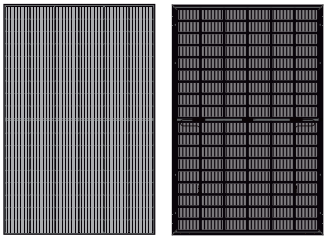


Output | AC		
Rated Output Power (VA)	800	1000
Rated Output Current (A)	3.4	4.3
Maximum Units per 10AWG Branch	9	7
Maximum Units per 12AWG Branch	5	4
Nominal Output Voltage/ Range (V)	230 / 240	230 / 240
Nominal Frequency/Range (Hz)	50 / 60	50 / 60
Power Factor (adjustable)	0.8leading..0.8lagging	0.8leading..0.8lagging
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
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

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℃, Air Mass 1.5　　NOCT ： Irradiance 800W/m², Ambient Temperature 20, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications	
External Dimensions	1722x1134x30mm
Weight	21kg
Solar Cells	N-Type 16BB 182mm (2x54pcs)
Front Glass	AR Coated 1.6+1.6 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4.0mm², 1800mm (+), 1800mm (-), length can be customized
Connector	MC4 Compatible
Mechanical Load	Front Side Max. 5400Pa, Rear Side Max. 2400Pa

Bifacial Output Rear Side Power Gain			
Power Gain	5%	15%	25%
Maximum Power- Pmax(W)	451.5	494.5	537.5
Open Circuit Voltage - Voc(V)	38.76	38.76	38.78
Short- Circuit Current - Isc(A)	14.79	16.16	17.54
Voltage at Pmax -Vmp(V)	32.37	32.37	32.40
Current at Pmax - Imp(A)	13.95	15.28	16.59

Model(quick plug cable)

Characteristics	
Cable	5m

Specifications are subject to change without further notification

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