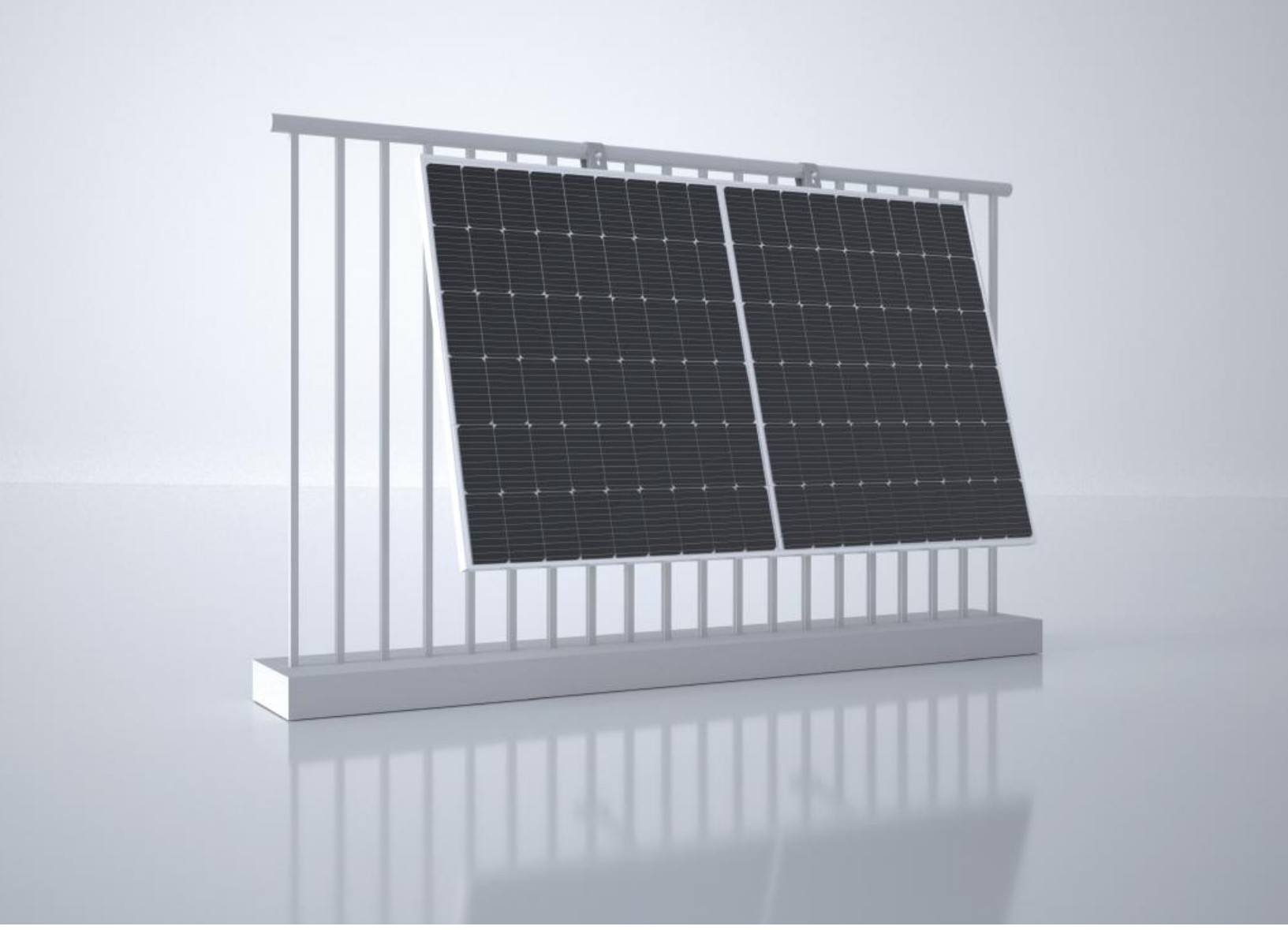
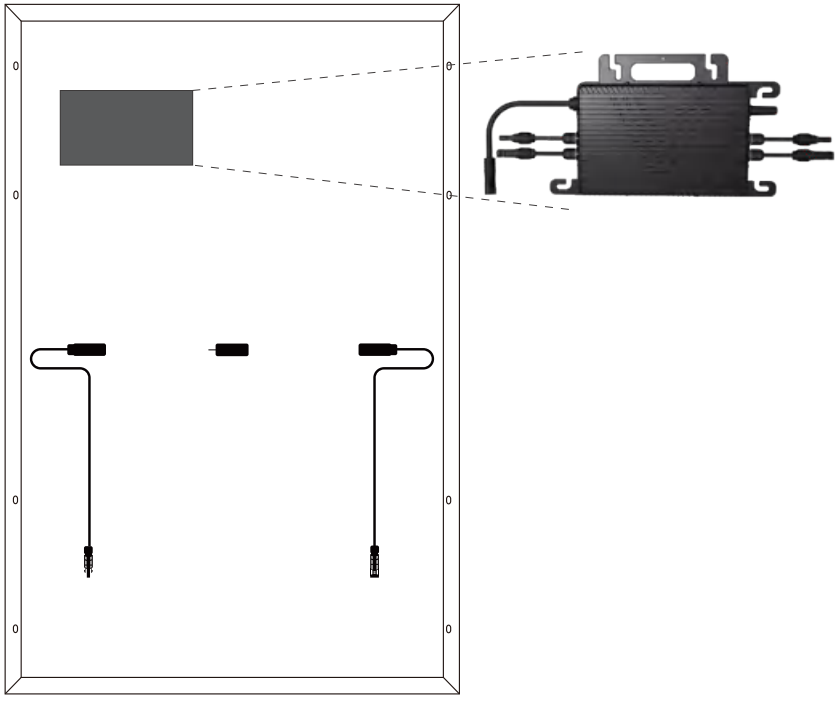




HIGHER YIELDS

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

SAFETY&RELIABILITY

RSD Compliance
IP67

FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications

STRONGCOMMUNICATION

Encrypted Sub-1G Solution
for Residential & Commercial

CE MSDS UN 38.3 ISO

SUNKET®-ESS

SUNKET®-ESS

Solar AC Module
Balcony Type

Datasheet | SUN800WE-P2 Microinverter Series

Model	SUN-800WE-P2
Input Data (DC)	
Commonly Module Power (W)	330 to 550+
Peak Power MPPT Voltage Range (V)	33-48
Start-up Voltage (V)	21
Maximum Input Voltage (V)	65
Maximum Input Current (A)	2×15
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)	800
Rated Output Current (A)	3.4
Maximum Units per 10AWG Branch[2]	9
Maximum Units per 12AWG Branch[2]	5
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%
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 (℃)	-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
Compliances	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 / freguency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.

Specifications are subject to change without further notification
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