

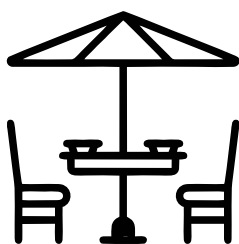


SOLAR BALCONY SYSTEM

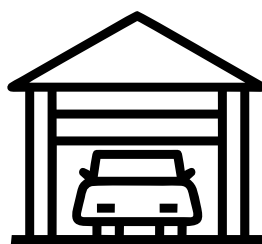
Application Area



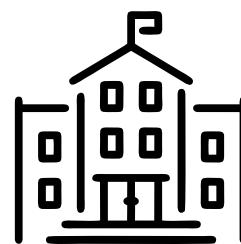
Balcony



Terrace



Garage



House
Facade





Y U E N E R G Y



- Easy installation without electrical know-how.



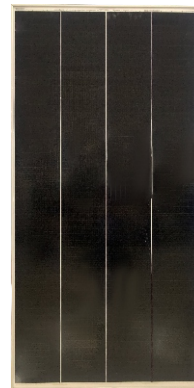
- Suitable for any location and any performance requirement.



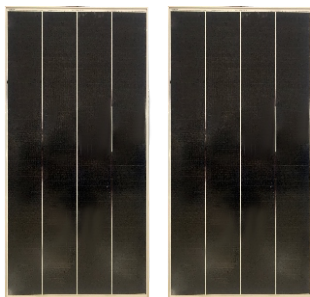
- High quality materials tested, certified and guaranteed.

310 KIT

- 1* YN-310-36M Mono Shingle Solar Panel
- 1* HM-300 Micro inverter
- Mounting System, cables and connectors can be either sourced locally or customized according to customers' requirements.



620 KIT



- 2* YN-310-36M Mono Shingle Solar Panel
- 1* HM-600 Micro inverter
- Mounting System, cables and connectors can be either sourced locally or customized according to customers' requirements.





YUENERGY

Micro Inverter

Model

HM-300

HM-600

Input Data (DC)

Commonly used module power (W)	240~380	
Module compatibility	60-cell or 72-cell PV modules	
Peak power MPPT voltage range (V)	29~48	
Start-up voltage (V)	22	
Operating voltage range (V)	16~60	
Maximum input voltage (V)	60	
Maximum input current (A)	11.5	2*11.5



HM-300

Output Data (AC)

Rated output power (VA)	300	600
Rated output current (A)	1.36/1.30/1.25	2.73/2.61/2.5
Nominal output voltage (V)	220/230/240	
Nominal output voltage range (V)	180-275	
Nominal frequency/range (V)	50/45-55 or 60/55-65	
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging	
Total harmonic distortion	<3%	
Maximum units per branch	16/16/16	8/8/8

Packaging

Package	5 Sets/Box
Boxes per Pallet	60
Pieces per Pallet	300
Gross Weight per Pallet	730kg
Pallet Size	1000*1200*1980mm

Efficiency

CEC peak efficiency	96.70%
CEC weighted efficiency	96.50%
Nominal MPPT efficiency	99.80%
Nighttime power consumption (mW)	<50



HM-600

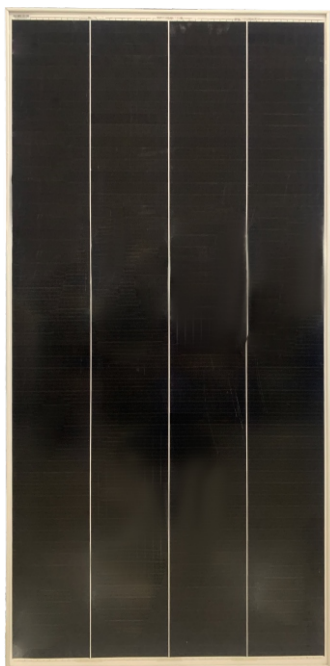
Mechanical Data

Ambient temperature range (°C)	-40~+65	
Dimensions (W*H*D mm)	182*164*29.5	250*170*28
Weight (KG)	1.98	3.0
Enclosure rating	Outdoor-NEMA (IP67)	
Cooling	Natural convection - No fans	

Packaging

Package	5 Sets/Box
Boxes per Pallet	48
Pieces per Pallet	240
Gross Weight per Pallet	850kg
Pallet Size	1000*1200*1980mm

Mono Shingle Solar Panel



Mechanical Parameters

Cell (mm)	210*30
Dimensions (L*W*H) (mm)	1760*880*35
Weight (kg)	16.5
Cable	900mm/4mm ²
No. of Cells & Connections	240 (60*4)
No. of Diodes	2
Connector Type	MC4

Qualification

Temperature Cycling Range (°C)	-40~+85
Max. Wind Load / Max. Snow Load (pa)	2400/5400
Hot Spot Rate	100% free
Fire Rating	Class C
Junction Box & Connector Protection Grade	≥IP67

Electrical Parameters

Module Type	YN-300-36M	YN-305-36M	YN-310-36M
Nominal Power (P _{mp} /W)	300	305	310
Output Tolerance (%)	+3	+3	+3
Maximum Power Voltage (V _{mp} /V)	30.25	30.50	30.75
Maximum Power Current (I _{mp} /A)	9.88	10.0	10.1
Open-circuit Voltage (V _{oc} /V)	35.75	36.0	36.25
Short-circuit Current (I _{sc} /A)	10.75	10.86	10.97
Maximum series fuse rating (A)	10	10	10
Maximum system voltage (V)	500	500	500
Cell Efficiency (%)	21.6	22.0	22.4

Packaging

Package	Carton Box/ Vertical
Pieces per Pallet	31
Gross Weight per Pallet	1220kg
Pallet Size	1780*1020*1150mm

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