PROJOY electric

— Switch To Safety! —

PSOL Series
Micro Inverter

High Craftsmanship and Standards

High efficiency

- Higher output power, up to 3000W
- Higher input DC current, up to 20A, compatible with182/210 solar module, up to 8 modules with parallel or series connection
- Individual power conversion, up to 6 MPPTs, fit for complicated roof installation
- Unique topology design, Max. efficiency up to 97.2%

High Safety

- Low DC input voltage, no risk for DC Arc
- Comply with the requirements of rapid shutdown

High Usability

- Plug & Play design, fast installation and wiring
- Intergated with Projoy independent developed communication module, no extra monitor device needed
- "One-button" networking configuration with multiple micro inverters at the same time, unique monitoring solution for microinverter

High Reliability

- IP67 design, high level of dustproof and waterproof, suitable for outdoor
- Unique radiating fin design, good heat dissipation, longer life time
- Standard 12 years warranty including the communication module

Select Code

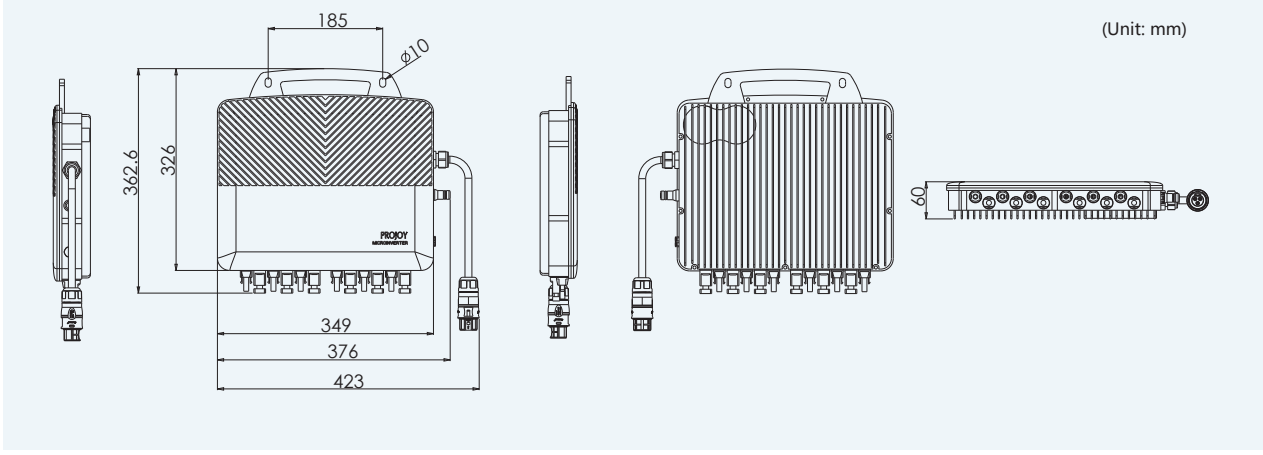
PSOL	–	M	S	X	H/L
Projoy Solar Micro Inverter		Micro Inverter	Single-phase	Nominal Continous Output Power	Input Current

Technical Data

Type	PSOL-MS2250H	PSOL-MS3000H	PSOL-MS3000L
Input(DC)			
Quantity of Input	4 inputs 4~8 Panels	6 inputs 5~6 Panels	4 inputs 7~8 Panels
Recommended Module Power [W]	480~700+ (1 panel for 1 input) 300~430 (2 panels for 1 input, parallel connection)	480~700+	380~500 (2 panels for 1 input, series connection)
Operating Voltage Range [V]	18~60	18~60	32~120
Max. Input Voltage [V]	60	60	120
Max. Short-circuit Current Per Input [A]	20	20	16
Max. Input Current [A]	18.5	18.5	15
Quantity of MPPT	4	6	4
Output [AC]			
Max. Output Power [VA]	2250	3000	3000
Nominal Continous Output Power [W]	2250	3000	3000
Nominal Output Current [A]	10.2	13.6	13.6
Nominal Output Voltage [V]	220/230/240(175~270), L/N/PE		
Nominal Frequency [Hz]	50/60		
Power Factor	>0.99 default, 0.8 leading ... 0.8 lagging		
Output Current Harmonic Distortion	<3%		
Efficiency			
Peak Inverter Efficiency	97.0%	97.1%	97.2%
CEC Weighted Efficiency	96.5%	96.6%	96.7%
Nominal MPPT Efficiency	99.9%	99.9%	99.9%
Night Time Power Consumption	<1W	<1W	<1W
Mechanical Data			
Dimensions (WxHxD) [mm]	349 * 326 * 60		
Weight [kg]	6.4	6.8	6.8
Type of Enclosure	IP67		
Cooling	Natural convection		
Environmental Data			
Operating Ambient Temperature Range [℃]	-25 ~ +65		
Relative Humidity	100%		
Max. Operating Altitude Without Derating [M]	2000		

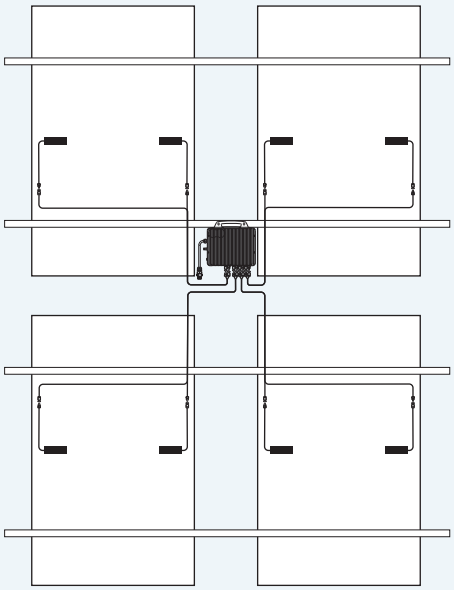
※ The AC voltage and frequency range may vary depending on specific country grid.

Dimensions



Diagram

PSOL-MS2250H



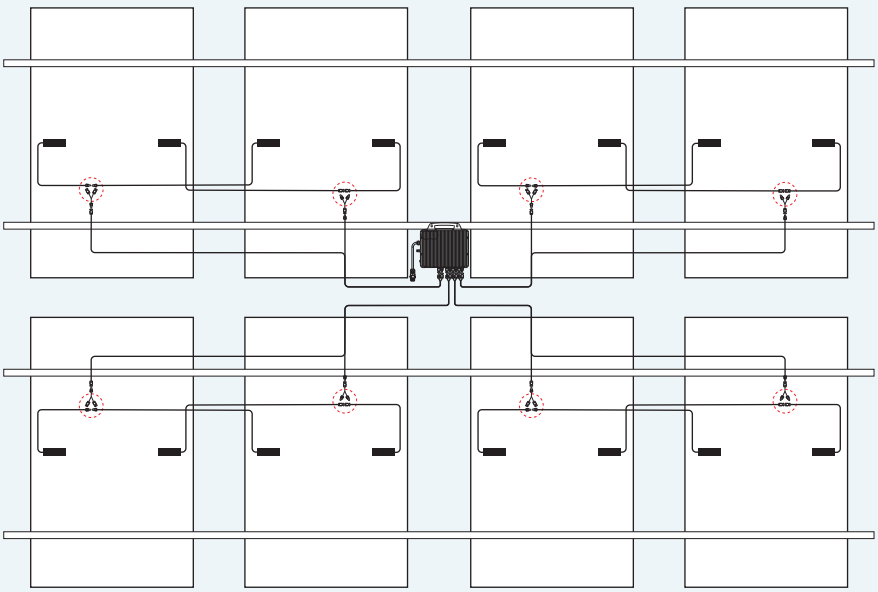
PV Module : 4 pcs

Pn : 665 W
Isc: 18.5 A

Microinverter : 1 pcs

Pout : 2250 W

PSOL-MS2250H



PV Module : 8 pcs

Pn : 350 W
Isc: 8.5 A

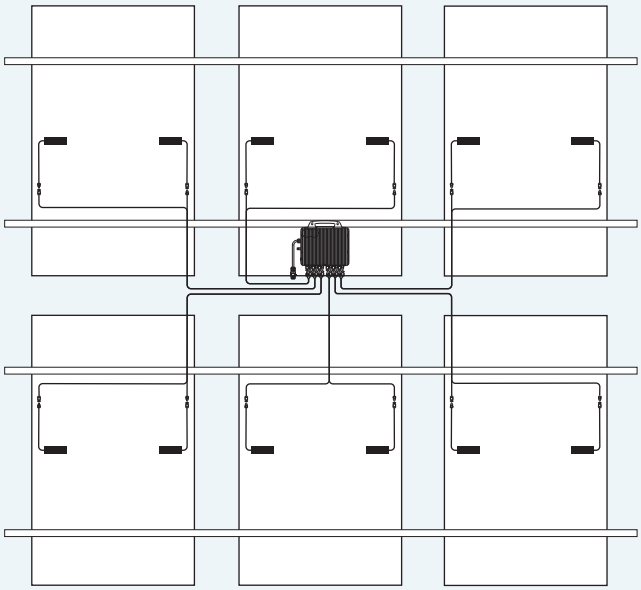
Microinverter : 1 pcs

Pout :2250 W

※ The DC Current ≤ 20A, So Input DC Current of Each Panel in Parallel Connection Must Less Than 10A During Normal Operation; Recommend module power is 480~700w for each panel per input, or recommend module power is 300~430w for two panels in parallel per input with the current during operation for each module less than 10A.

Diagram

PSOL-MS3000H



PV Module : 6 pcs

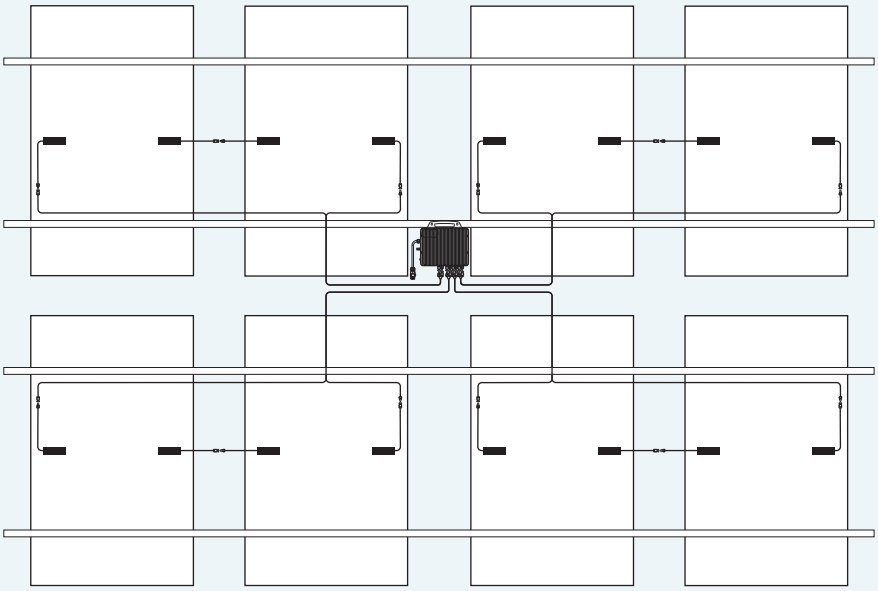
Pn : 650 W
Isc: 18.5 A

Microinverter : 1 pcs

Pout : 3000 W

※ DC input current≤20A.
Recommended Module Power 480~700 W

PSOL-MS3000L



PV Module : 8 pcs

Pn : 450 W
Isc: 10.52 A

Microinverter : 1 pcs

Pout : 3000 W

※ DC input current≤15A.
Recommended Module Power 380~600 W (series connection)

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ProJoy Electric Co., Ltd.
2nd Floor, Building 3, No. 2266, Taiyang Road, Xiangcheng District, Suzhou, China
Tel: +86 512 6878 6489 | Fax: +86 512 6878 6489
Email: sales@projoy-electric.com | www.projoy-electric.com