

产品展示

PRODUCT DEMONSTRATION

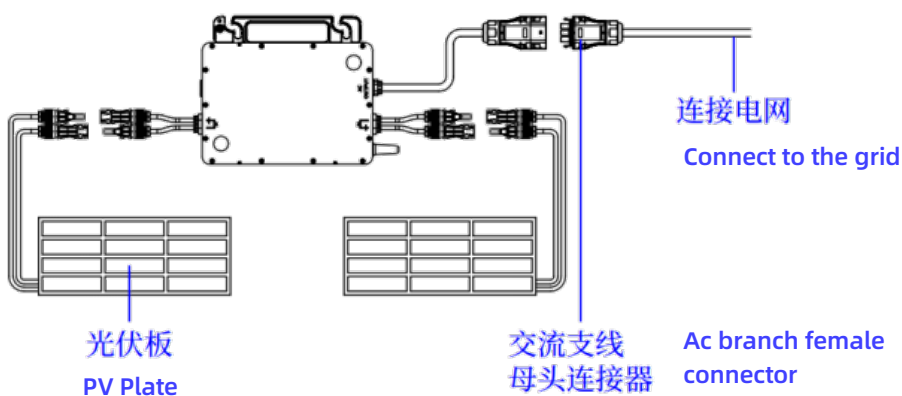
Micro inverter

Micro inverter is a module-level PV inverter. Each module can be individually converted into current to achieve maximum power point tracking (MPPT). By optimizing the output power of each module, it maximizes system power generation, improves safety; increases system reliability; and simplifies solar system design, installation, maintenance and management.



Features▼

- High-power microinverters with output power up to 2000W;
- Component-level MPPT and data monitoring, more convenient operation and maintenance ;
- Grid-connected inverter efficiency up to 96.5%;
- IP67 protection for higher reliability;
- Over-current/short-circuit/over-voltage/over-frequency protection;
- WIFI wireless communication for stable data communication ;
- 2-in-1/4-in-1 design, Easy installation.



Mode	PMI800	PMI900	PMI1000	PMI1600	PMI1800	PMI2000
DC input						
Compatible module power (W)	320~540+	360~600+	400~670+	320~540+	360~600+	400~670+
Max. input voltage	65V					
Startup voltage	22V					
MPPT operating voltage range	16V~60V					
Number of MPPT	2	2	2	4	4	4
Max. input current per MPPT	15A	15A	15A	16A	16A	16A
Max. short-circuit current per MPPT	25A					
AC output						
Rated power	800W	900W	1000W	1600W	1800W	2000W
Rated current(A)	3.64/3.48/3.33	4.09/3.91/3.75	4.55/4.35/4.17	7.27/6.96/6.67	8.18/7.83/7.5	9.09/8.7/8.33
Rated voltage	220/230/240V(180~275V)					
Frequency	50/60Hz					
Factor	~1(0.8 ahead0.8 lag)					
THDi	<3%					
DC current component	No more than 0.5% of output current rating					
Type of grid link	L+N+PE					
Efficiency						
Max. efficiency	>96.5%					
CEC-weighted efficiency	>96.5%					
MPPT efficiency	static99.8%, dynamic99.7%					
Protection						
DC/AC lightning protection	Integration, DC side shall meet EN50539-2013 or other equivalent standards					
AC short circuit protection	Integrated					
Abnormal voltage protection	2.0s within 50%~85%, 110%~135% of integrated voltage, 0.2s beyond this range					
Frequency anomaly response	<48Hz,stop running within 0.2s,48~49.5Hz at least 10min,>50.2Hz,stop running within 0.2s.					
Reverse polarity protection	Reversed polarity of integrated components should not damage the inverter					
DC input overload protection	Exceeds maximum DC input power and automatically limits current at the maximum allowable AC output power					
Ground fault monitoring	Integrated					
Grid monitoring	Integrated					
Restore grid connection	Disturbances in the integrated grid occur and grid connection is not allowed until it is normal.					
Antislanding protection	After a grid interruption, the power supply should be stopped within 2s and a warning signal should be issued					
leakage current monitoring	Integrated					
General data						
size	261*180*31mm	261*180*31mm	261*180*31mm	310*185*42mm	310*185*42mm	310*185*42mm
Weight	3.1kg	3.1kg	3.1kg	4.5kg	4.5kg	4.5kg
Operating temperature	-40℃ ~ 65℃					
Self-consumption at night	<50mW					
Topological structure	High frequency transformer isolation					
Cooling	Natural cooling					
Cingress protection	IP67					
Humidity	0~100%					
DC Link Type	MC4					
Indication	LED					
Monitoring interface	Wireless communication/power carrier					
Warranty	10/25 years					