

WVC-1200

Technical parameters

Input Data		WVC1200-120V/230V	
Maximum input power	4×300Watt		
Recommend the use of PV modules	4×300W/Vmp>30V/Voc<50V		
Maximum input DC Voltage	54V		
Peak power tracking voltage	22-45V		
Operating voltage range	17-50V		
Min / max starting voltage	22-50V		
Maximum DC short-circuit	80A		
Maximum input operating current	54.4A		
Output Data		@120VAC	@230VAC
Peak power output	1200Watt	1200Watt	1200Watt
Rated output power	1150Watt	1150Watt	1150Watt
Rated output current	9.58A	5A	5A
Rated voltage range	80-160VAC	180-260VAC	180-260VAC
Rated frequency range	57-62.5Hz	47-52.5Hz	47-52.5Hz
Power Factor	>99%	>99%	>99%
Max unit per branch circuit	3pcs (Single-phase)	6pcs (Single-phase)	6pcs (Single-phase)
Output Efficiency		@120VAC	@230VAC
Static MPPT efficiency	99.5%	99.5%	99.5%
Maximum output efficiency	91.2%	92.5%	92.5%
Night time power consumption	<1W	<1W	<1W
THD	<5%	<5%	<5%
Exterior			
Ambient temperature range	-40°C to +60°C		
Dimensions (L × W × H)	370mm×305mm×38mm		
Weight	2.85kg		
Waterproof rating	IP65		
Cooling	Self-cooling		
Feature			
Communication Mode	Power line carrier communication		
Power transmission mode	Reverse transfer , load priority		
Monitoring System	Lifetime free		
Electromagnetic Compatibility	EN50081.part1 EN50082.part1		
Grid disturbance	EN61000-3-2 Safety EN62109		
Grid detection	DIN VDE 1026 UL1741		
Certificate	CEC,CE National patent technology		

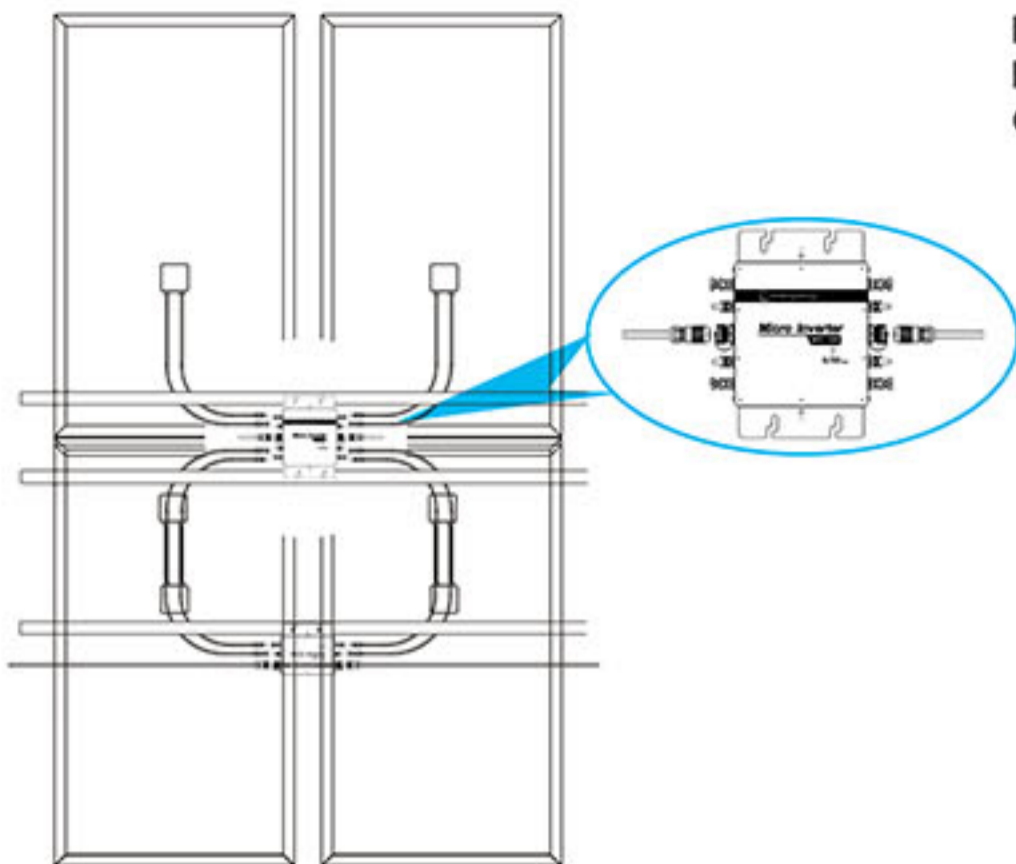
*Note: Monitoring software can simultaneously monitor multiple threads 6 Powerline collector, you can simultaneously monitor 600 inverters.

1)Each power line collector can monitor 100 pcs of the inverters;

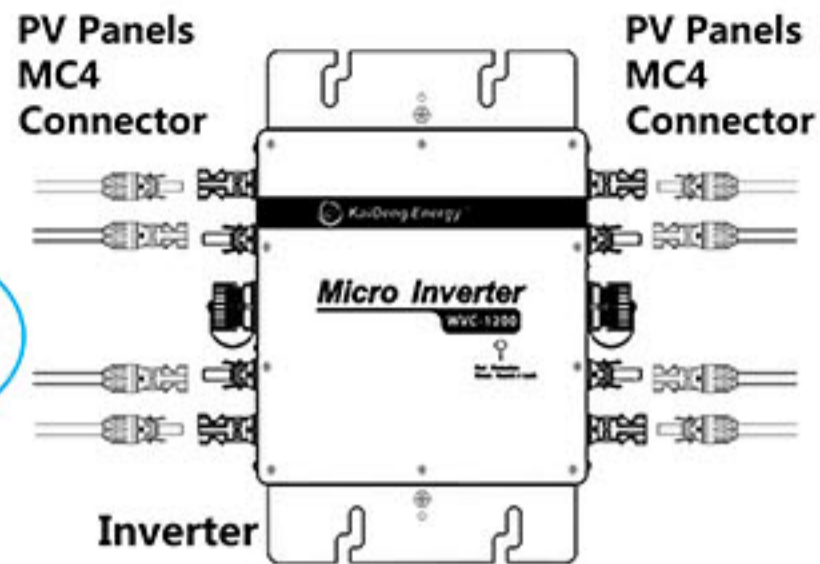
2)Monitoring system is divided into six threads simultaneously collect six power line, real-time data acquisition.

Installation Of Micro Inverter

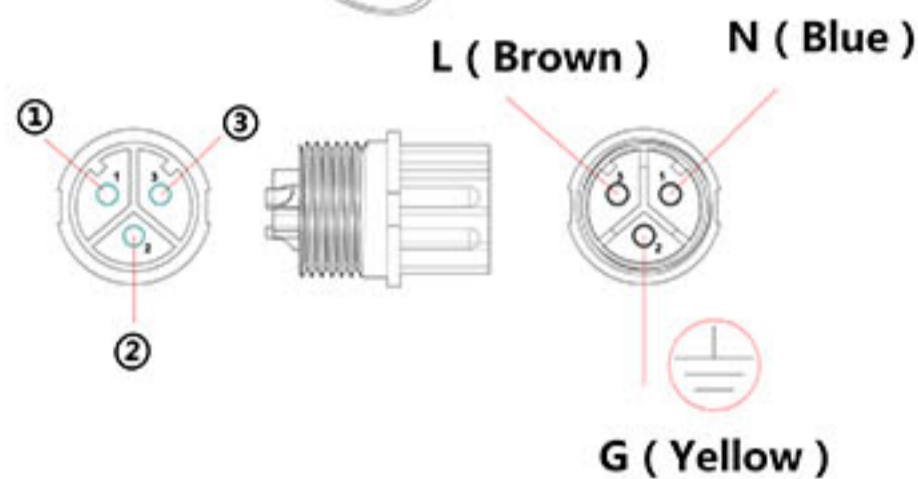
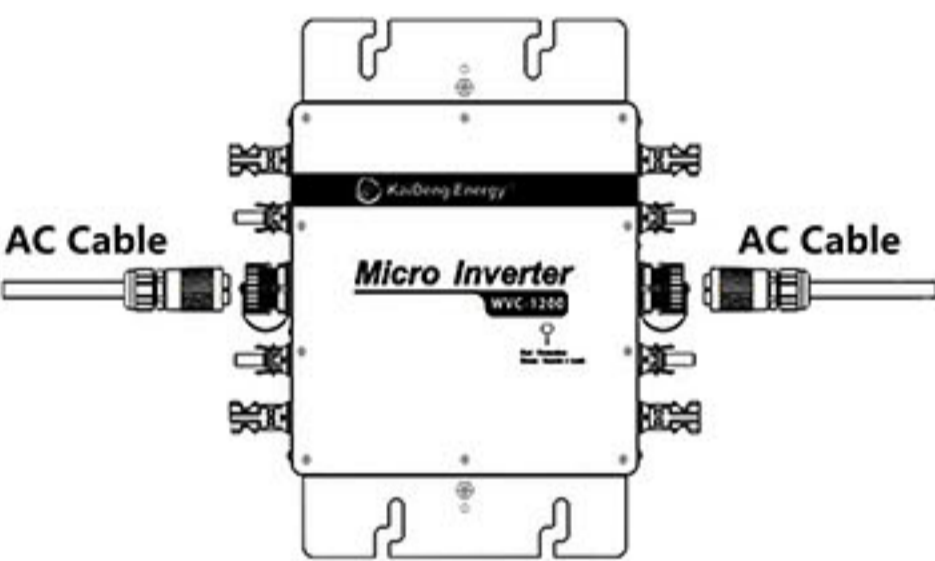
Step1 Installation for fixed the inverter on the PV holder with the screws attached is as following:



Step2 Connect the two DC terminal of the PV to the inverter, positive to positive, w below: negative to negative. Show:



Step3 Open the waterproof cap on AC output side of the micro inverter, then plug to AC power line. Show below:

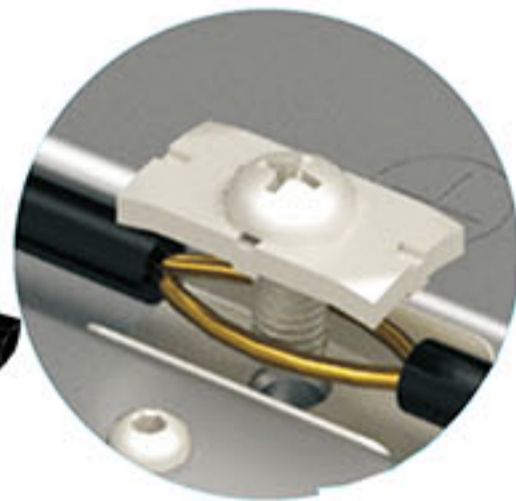


Step4 Plug the AC output line to main AC cable;

Step5 Repeat the first step to the third step to complete the installation of micro inverters;

Step6 Finally, please connect the AC main cable to the utility grid to run renewable energy and saving \$\$\$!

Installation Of Ground Wire



Solar Power Applications

