

# WVC-600

## Technical parameters

Input Data		WVC600-120V/230V	
Maximum input power	2×300Watt		
Recommend the use of PV modules	2×300W/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	40A		
Maximum input operating current	27.2A		
Output Data		@120VAC	@230VAC
Peak power output	600Watt	600Watt	
Rated output power	550Watt	550Watt	
Rated output current	4.58A	2.39A	
Rated voltage range	80-160VAC	180-260VAC	
Rated frequency range	57-62.5Hz	47-52.5Hz	
Power Factor	>99%	>99%	
Max unit per branch circuit	6pcs ( Single-phase )	12pcs ( Single-phase )	
Output Efficiency		@120VAC	@230VAC
Static MPPT efficiency	99.5%	99.5%	
Maximum output efficiency	91.2%	92.5%	
Night time power consumption	<1W	<1W	
THD	<5%	<5%	
Exterior			
Ambient temperature range	-40°C to +60°C		
Dimensions (L × W × H)	289mm×200mm×38mm		
Weight	1.62kg		
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.

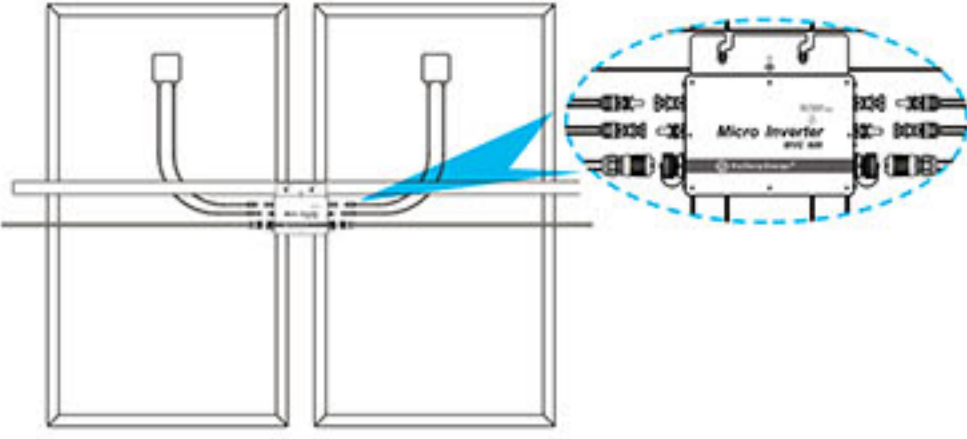
1)Each power line collector can monitor 100 pcs of the inverters;

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

# - - - -Installation & Applications- - - -

## Installation Of Micro Inverter

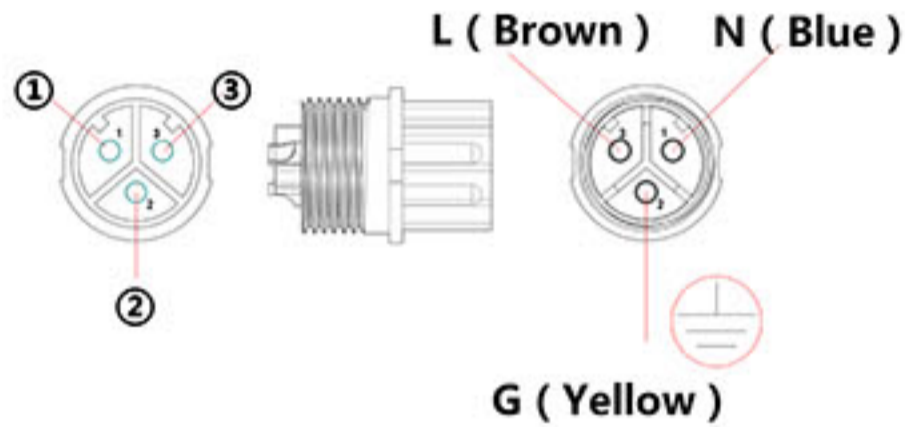
**Step1** Installation for fixed the inverter on the PV holder with the screws attached is as following:



**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

