

WVC-260A

Technical parameters

| Input Data | | WVC260A-120V/230V | |
|---------------------------------|-----------------------------------|------------------------|------------------------|
| Maximum input power | 300Watt | | |
| Recommend the use of PV modules | 295W/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 | 20A | | |
| Maximum input operating current | 13A | | |
| Output Data | | @120VAC | @230VAC |
| Peak power output | 260Watt | 260Watt | 260Watt |
| Rated output power | 250Watt | 250Watt | 250Watt |
| Rated output current | 2.08A | 1.08A | 1.08A |
| 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 | 15pcs (Single-phase) | 30pcs (Single-phase) | 30pcs (Single-phase) |
| Output Efficiency | | @120VAC | @230VAC |
| Static MPPT efficiency | 99.5% | 99.5% | 99.5% |
| Maximum output efficiency | 92.5% | 93.5% | 93.5% |
| Night time power consumption | <1W | <1W | <1W |
| THD | <5% | <5% | <5% |
| Exterior | | | |
| Ambient temperature range | -40°C to +60°C | | |
| Dimensions (L × W × H) | 212mm×168mm×32mm | | |
| Weight | 0.7kg | | |
| Waterproof rating | IP67 | | |
| 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 | | |

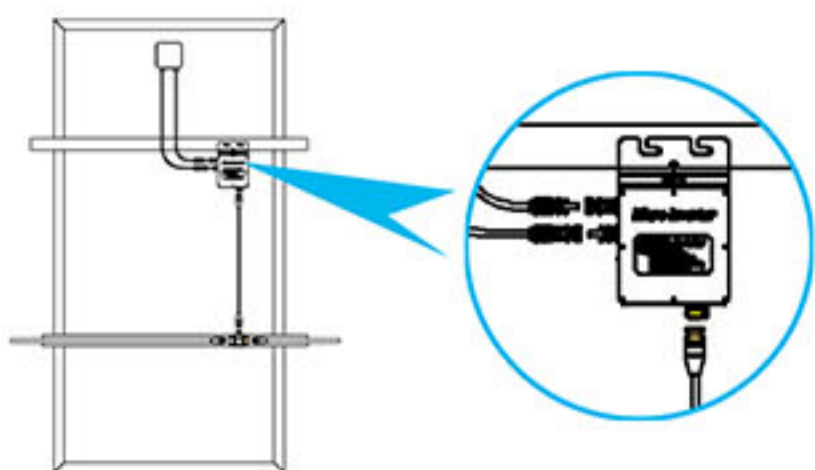
*Note: Monitoring software can simultaneously monitor multiple threads 6 Powerline collector, you can simultaneously monitor 600 inverters.

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

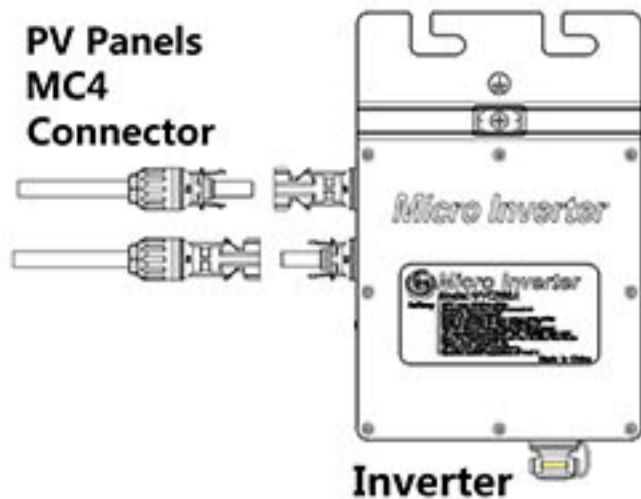
2)Monitoring system is divided into six threads simultaneously collect six power line, real-time data acquisition.

Installation Of Micro Inverter

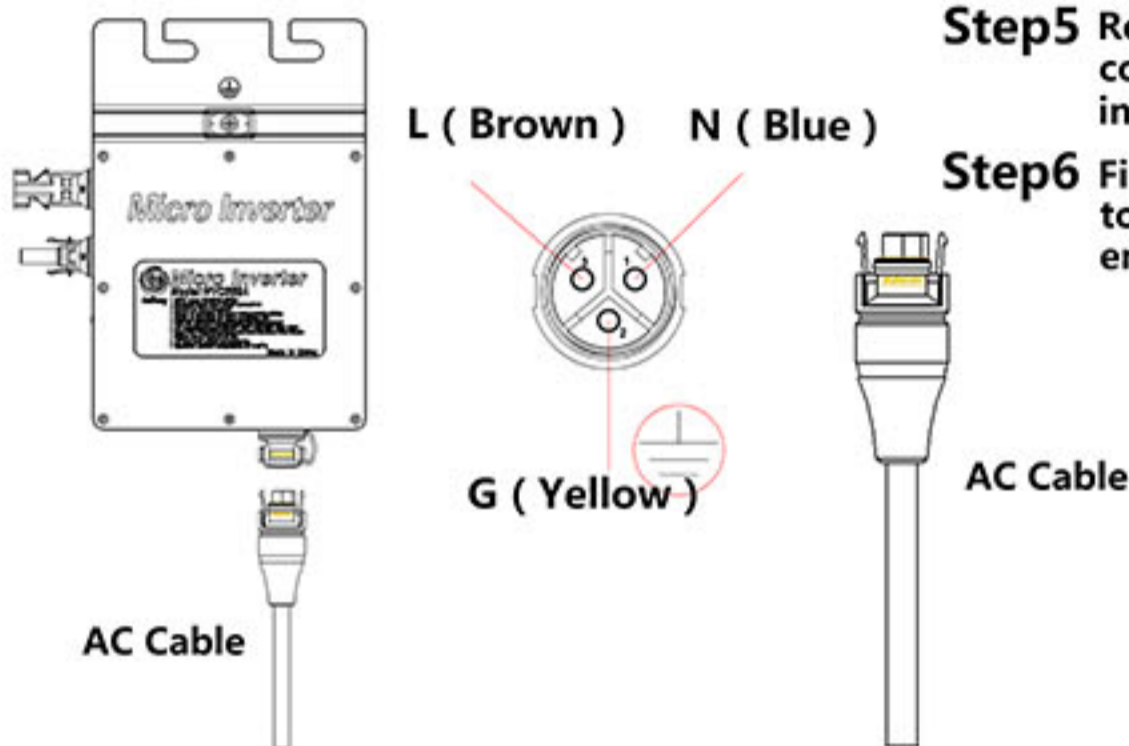
Step1 Installation for fixed the inverter on the PV holder with the screws attached is as following:



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:

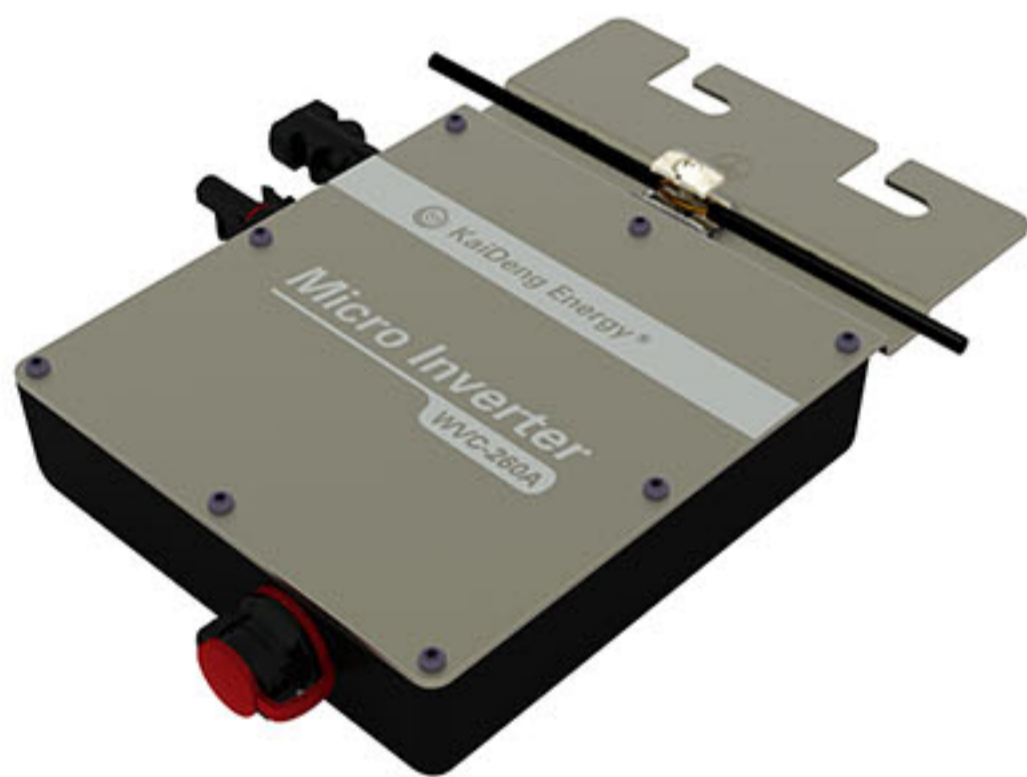


Step4 Plug the AC output line to main AC cable;

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

