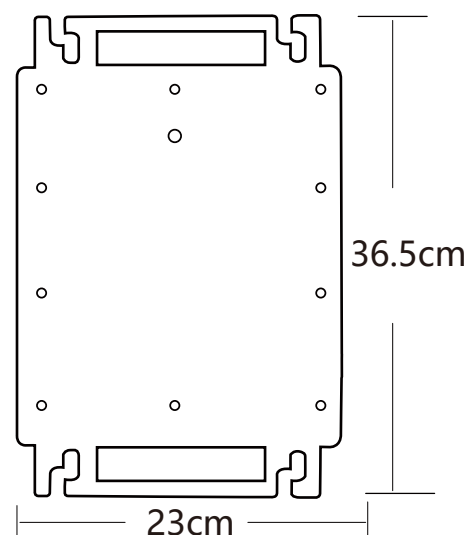
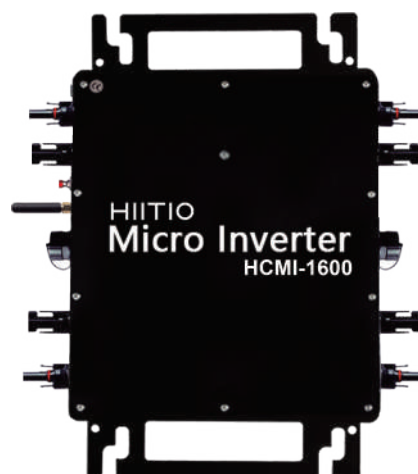
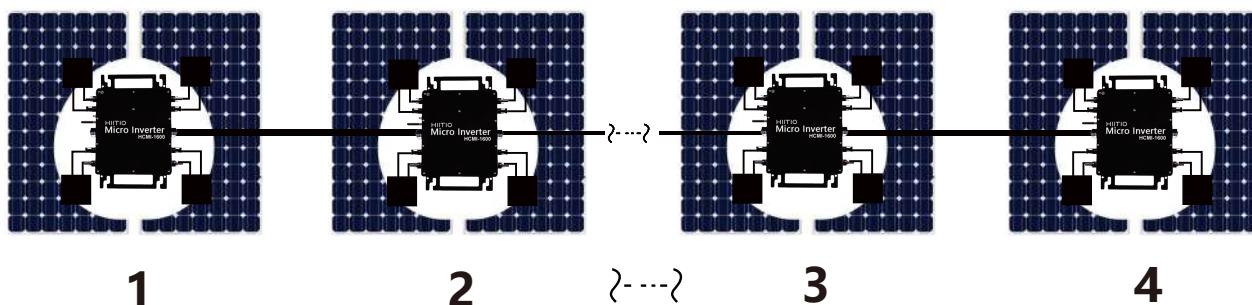


HCMI-1600

- ◆ Single unit connects up to two PV modules
- ◆ Maximum 1600W AC output power
- ◆ Single phase output, Flexible 3-phase PV system
- ◆ WIFI communication and cloud monitoring
- ◆ Up to 10 units(230V) per branch
- ◆ Customizable various input (DV PV) voltage range
- ◆ Integrated AC bus cable, Ready-To-Use
- ◆ Low cost, Easy installation



Single phase connection method of micro inverter



- 1.HCMI1600 @Single-Phase 230V grid Maximum 4 units HCMI1600 Microinverters per branch.
- 2.The max DC input power of each inverter is 1600W(the PV module max output power is 4x400W)
3. The VOC of PV modules should not be greater than the max DC input voltage of Microinverters.

Technical Specifications

Model	HCMI-1600
Input Data (DC, PV)	
Number of Input MC4 Connector	4 sets
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	50V
Startup Voltage	22V
Maximum input power	1600W
Maximum input Current	16A*4
Output Data(AC)	
Single-Phase Grid Type	120V&230V
Rated Output Power	1600W
Maximum Output Power	1600W
Nominal Output Current	@120VAC:12A/@230VAC:7A
Nominal Output Voltage	120VAC /230VAC
Default Output Voltage Range	@120VAC:80V-160V /@230VAC: 180V-270V
Nominal Output Frequency	50Hz / 60Hz
Default Output Frequency Range	@50Hz:48Hz-51Hz/@60Hz:58Hz-61Hz
Power Factor	>0.99%
Total Harmonic Distortion	THD <5%
Maximum Units per Branch	@ 120VAC:2units /@230VAC: 3units
Efficiency	
Nominal MPPT Efficiency	99.5%
Peak Efficiency	95%
Night Power Consumption	<1W
Mechanical Data	
Operating Ambient Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +85°C
Dimensions (L × W × H)	230mmx365mm x 40mm
Weight	3.5kg
Max Current of AC Bus Cable	30A
Waterproof rating	IP66
Cooling Mode	Natural Convection- No Fans
Other Features	
Communication	WIFI(Cloud monitoring)
Power transmission mode	Reverse transfer , load priority
Monitoring System	Mobile APP, PC browser
Transformer Design	High Frequency Transformers,Galvanically Isolated
Integrated Ground	Equipment ground is provided by the PE in the AC cable. No additional ground is required.
Protection Functions	Isolated Island Protection,Voltage Protection, Frequency Protection, Temperature Protection,Current Protection, etc.
Design Compliance	EN IEC61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, EN IEC55014-2:2021,EN IEC55014-2:2021
Certificate	CE