

New Energy + New Life

GMI500-700 Series

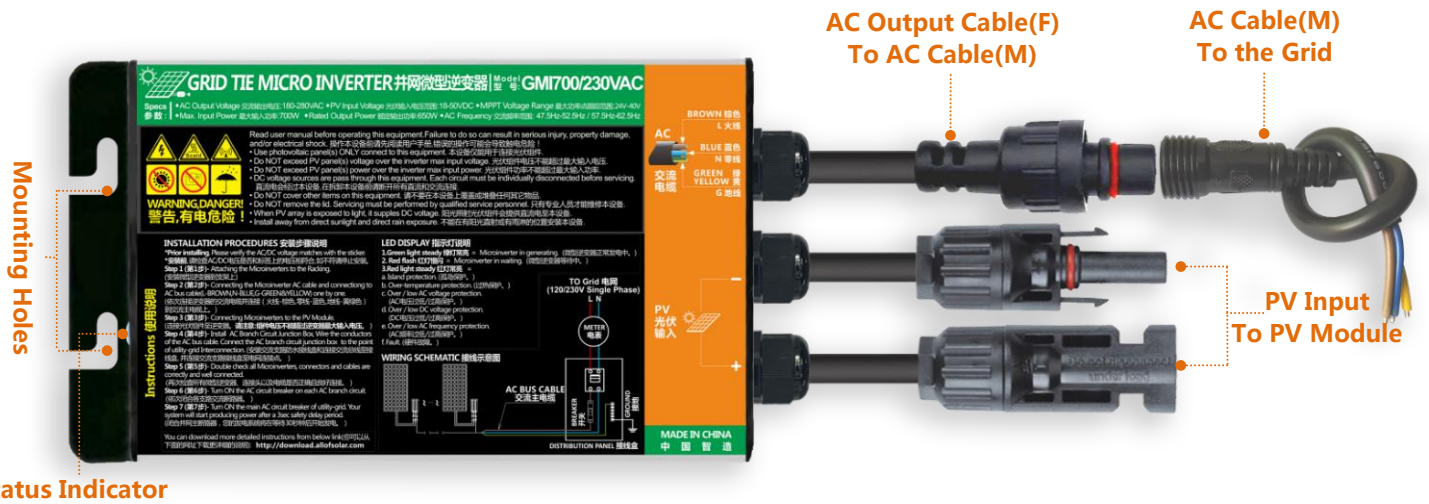
PV Grid Tie Microinverter

GMI500-700 Series

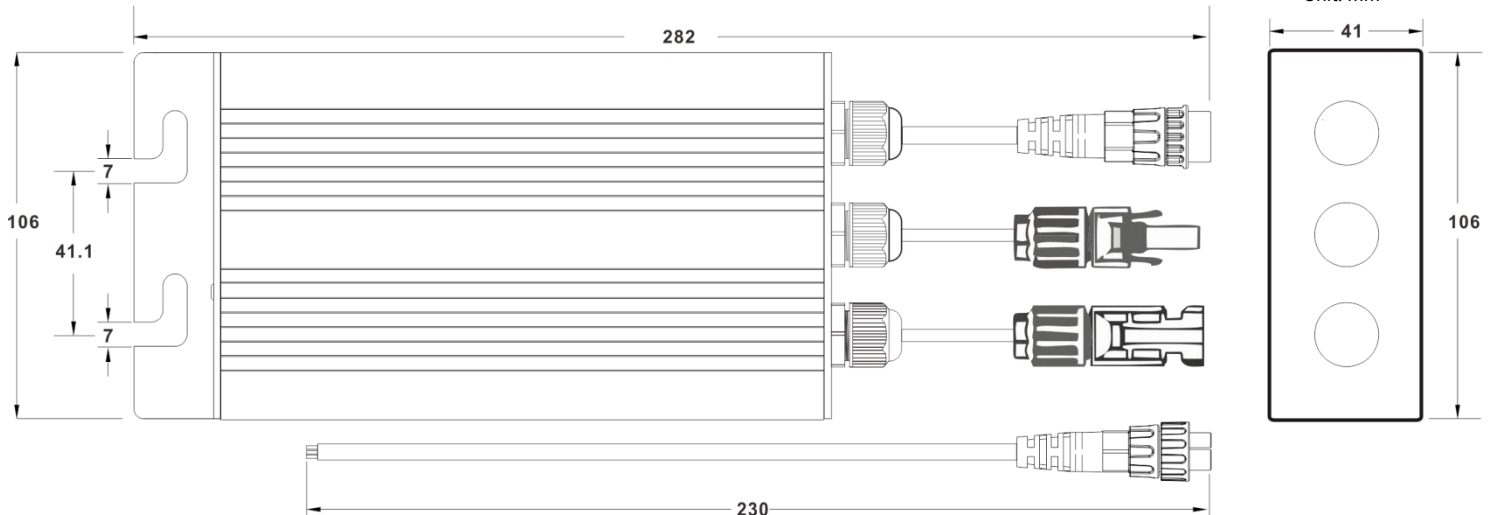


- Single unit connects to two PV modules
- Maximum 500/600/700W AC output power
- Single-phase output, Flexible 3-phase PV systems
- Customizable various input (DC, PV) voltage range
- Ready-To-Use
- Low cost, Easy installation

Basic Structure



Dimensions

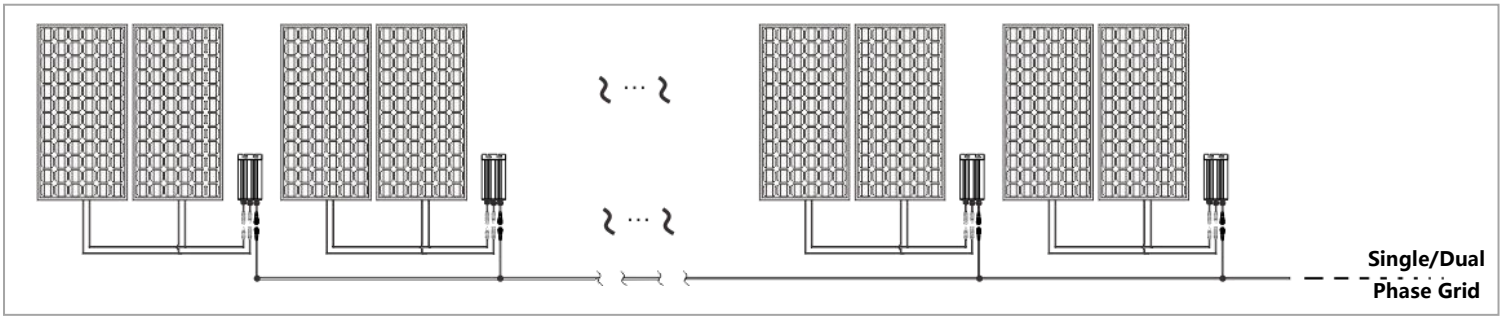


GMI500-700 Series PV Grid Tie Microinverter - Parameter Table

Product Series	GMI500-700 Series		
Model	GMI500	GMI600	GM700
Input Data(DC,PV)			
Number of Input MC4 Connector	1 set		
MPPT Voltage Range	24V-40V		
Operation Voltage Range	18V-50V		
Maximum Input Voltage	50V		
Startup Voltage	18V		
Maximum Input Power	500W	600W	700W
Maximum Input Current	20A	24A	28A
Output Data(AC)			
Single-Phase Grid Type	120V / 230V		
Rated Output Power	490W	580W	650W
Maximum Output Power	500W	600W	700W
Nominal Output Current	120V : 4.08A/230V : 2.13A	120V : 4.83A/230V : 2.52A	120V : 5.41A/230V : 2.82A
Nominal Output Voltage	120VAC / 230VAC		
Default Output Voltage Range	@120VAC : 80V-160V / @230VAC : 180V-280V		
Nominal Output Frequency	50Hz / 60Hz		
Default Output Frequency Range	@50Hz : 47.5Hz-52.5Hz / @60Hz : 57.5Hz-62.5Hz		
Power Factor	>0.99		
Total Harmonic Distortion	THD <5%		
Efficiency			
Peak Efficiency	92%		
CEC Weighted Efficiency	@120VAC : 90% / @230VAC : 90.5%		
Nominal MPPT Efficiency	99.9%		
Night Power Consumption	<700mW		
Mechanical Data			
Operating Ambient Temperature Range	-40°C to +65°C		
Storage Temperature Range	-40°C to +85°C		
Dimensions (W x H x D)	41mm x 106mm x 282mm		
Weight	0.95kg		
Waterproof Grade	IP55		
Cooling Mode	Natural Convection - No Fans		
Other Features			
Transformer Design	High Frequency Transformers, Galvanic ally 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.		

**** Specifications subject to change without notice****

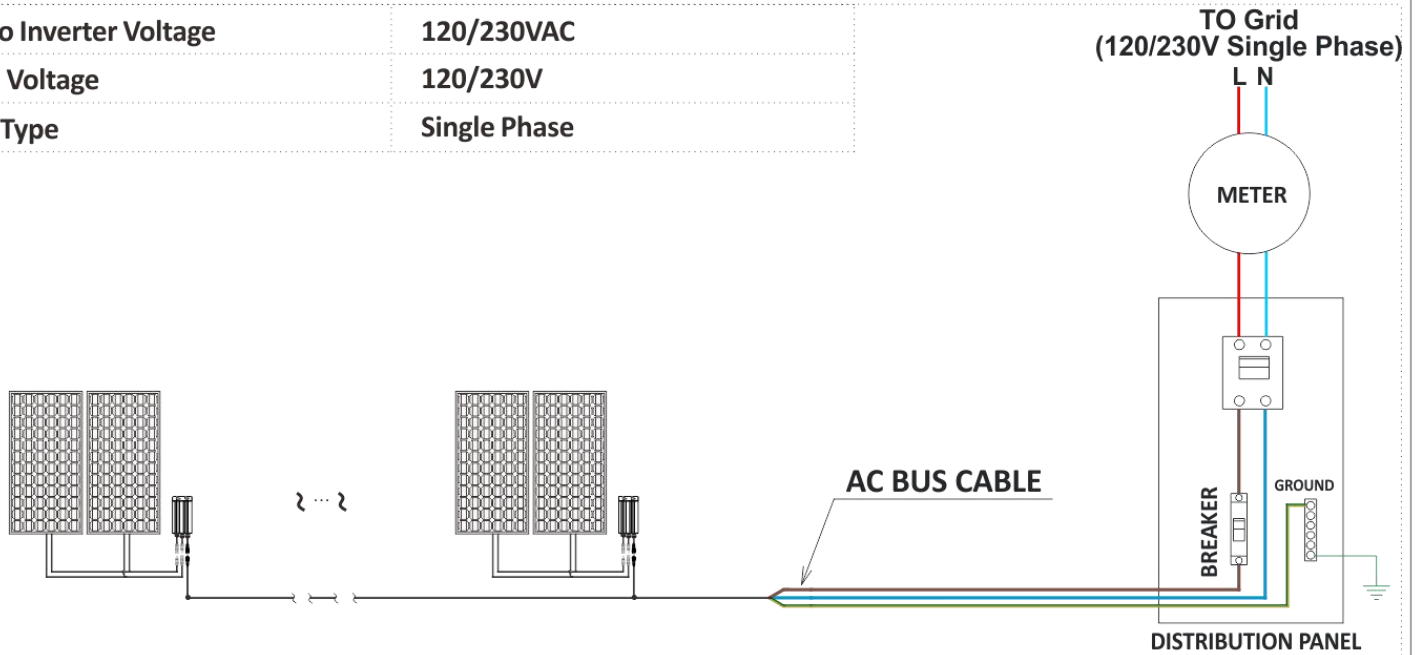
Installation Schematic



Wiring Schematic

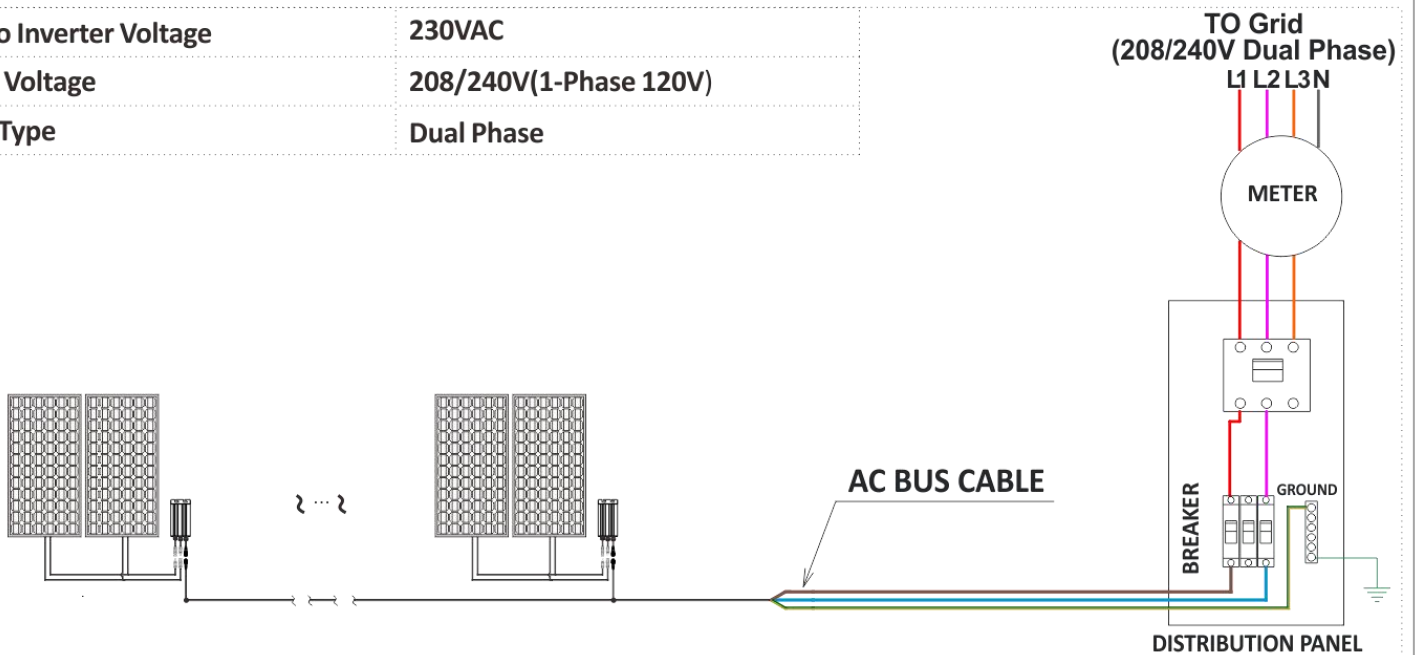
GMI500-700 Series-120/230VAC @ Single Phase 120/230V

Micro Inverter Voltage	120/230VAC
Grid Voltage	120/230V
Grid Type	Single Phase



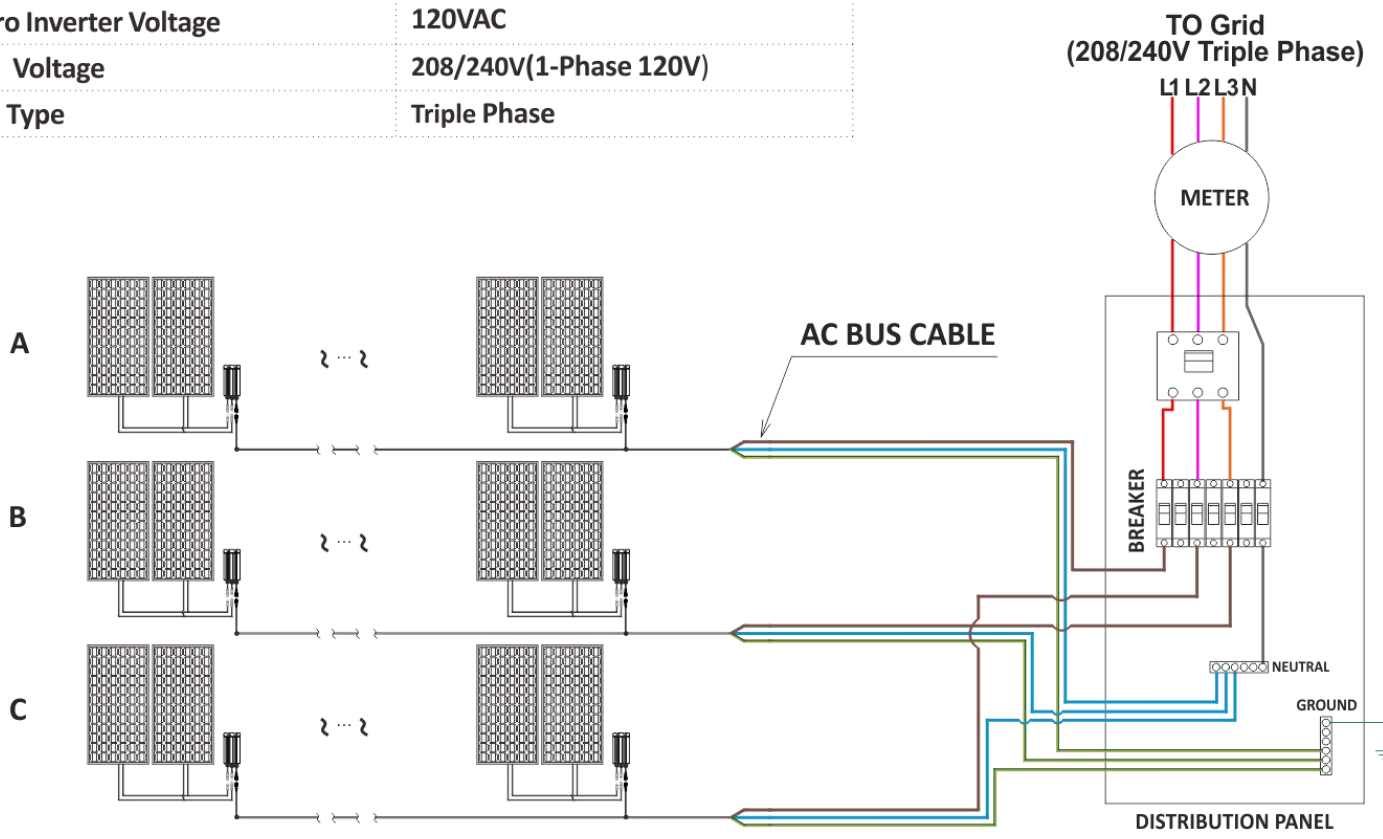
GMI500-700 Series-230VAC @ 2-Phase 208/240V

Micro Inverter Voltage	230VAC
Grid Voltage	208/240V(1-Phase 120V)
Grid Type	Dual Phase



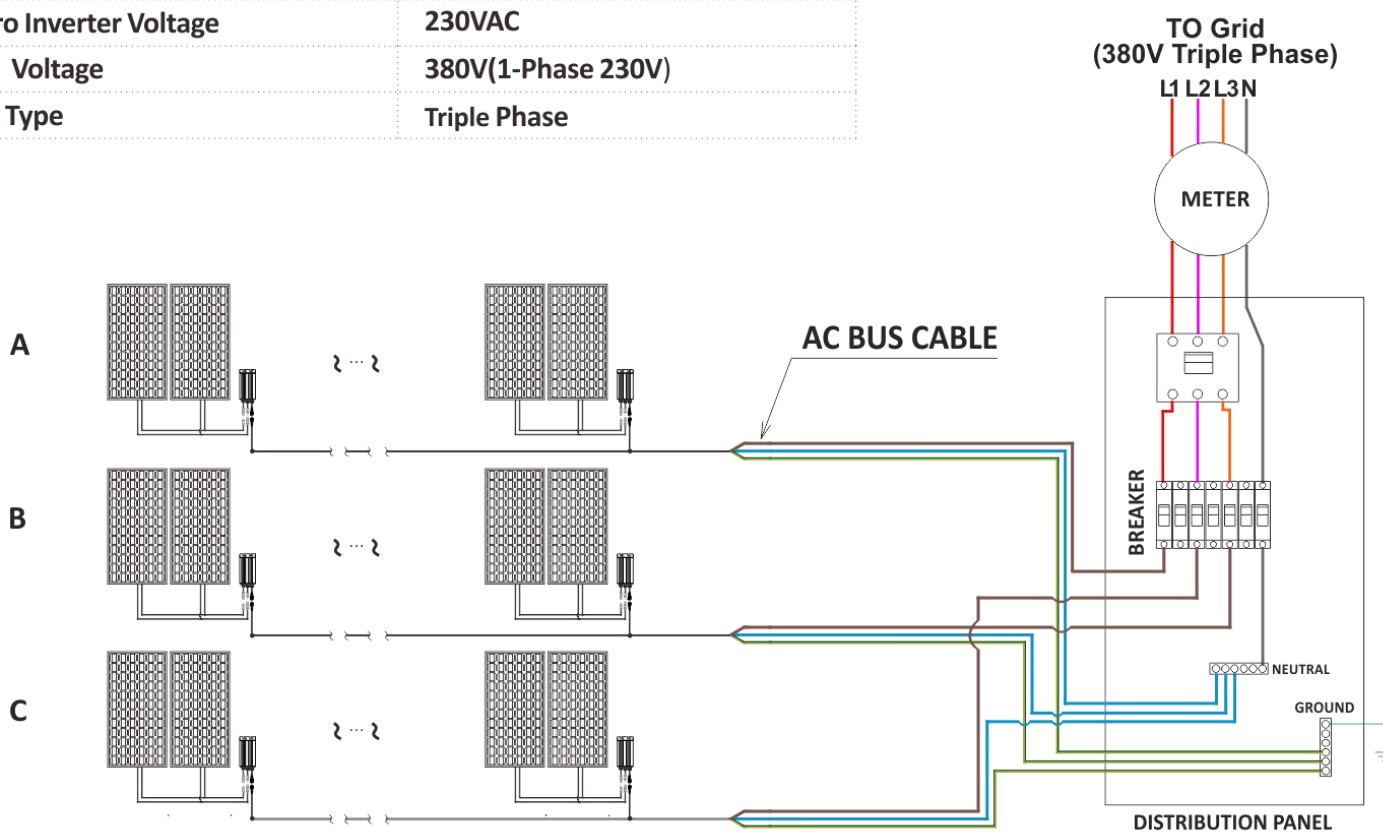
GMI500-700 Series-120VAC @ 3-Phase 208/240V

Micro Inverter Voltage	120VAC
Grid Voltage	208/240V(1-Phase 120V)
Grid Type	Triple Phase



GMI500-700 Series-230VAC @ 3-Phase 380V

Micro Inverter Voltage	230VAC
Grid Voltage	380V(1-Phase 230V)
Grid Type	Triple Phase



GMI500-700 Series-230VAC @ 3-Phase 208/240V

Micro Inverter Voltage	230VAC
Grid Voltage	208/240V(1-Phase 120V)
Grid Type	Triple Phase

TO Grid
(208/240V Triple Phase)

