

GMI120-180 L Series

PV Grid Tie Micro inverter

GMI120-180 L Series

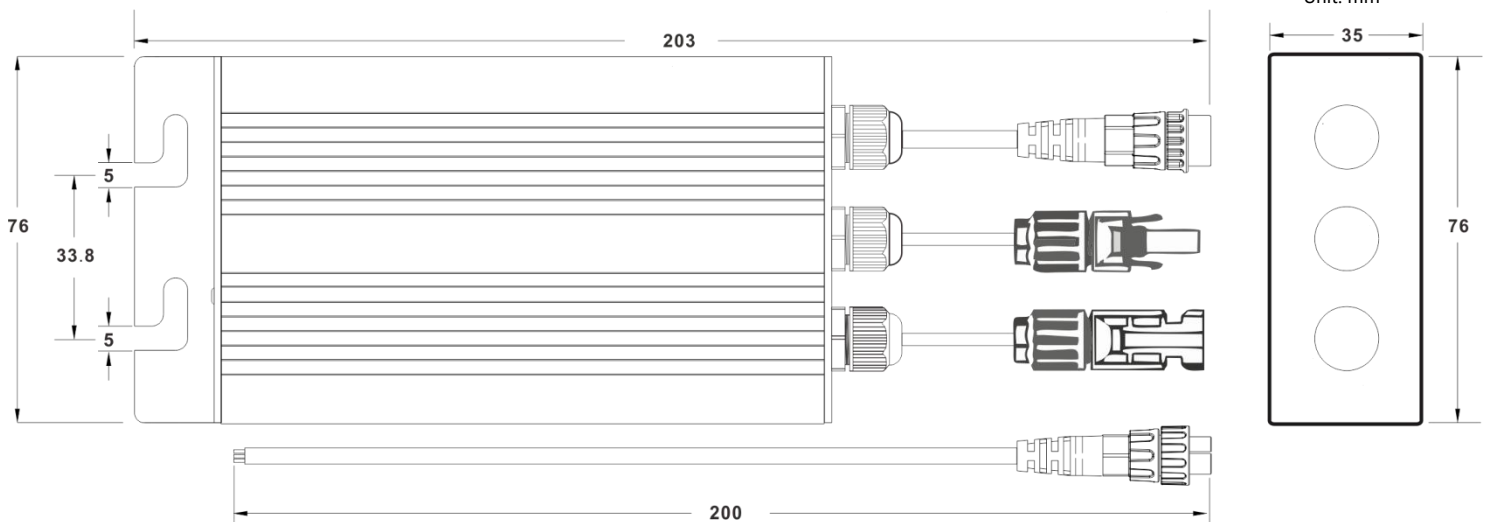


- Single unit connects to one PV module
- Maximum 120/150/180W AC output power
- Single-phase output, Flexible 3-phase PV systems
- Customizable various input (DC, PV) voltage range
- Ready-To-Use
- Low cost, Easy installation

Basic Structure



Dimensions

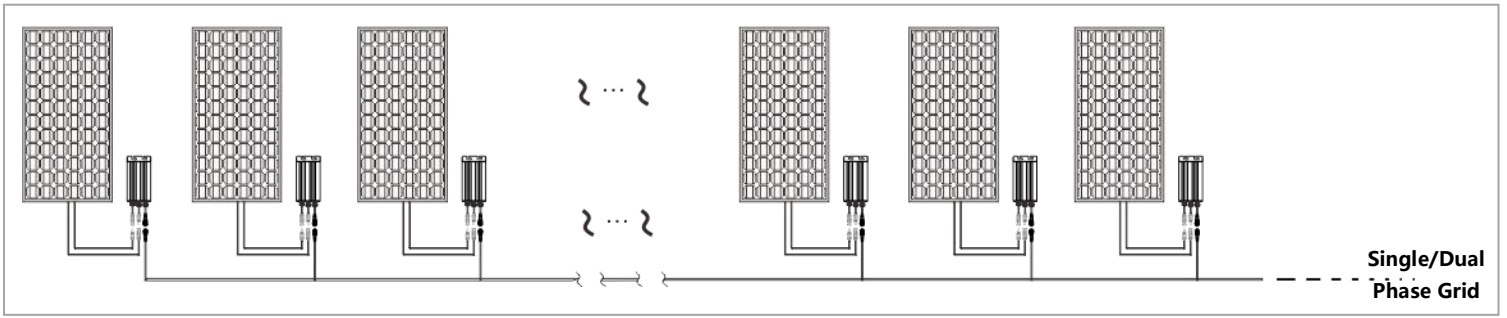


GMI120-180 L Series PV Grid Tie Microinverter - Parameter Table

Product Series	GMI120-180 L Series		
Model	GMI120L	GMI150L	GMI180L
Input Data(DC,PV)			
Number of Input MC4 Connector	1 set		
MPPT Voltage Range	12.5V-25V		
Operation Voltage Range	10.8V-30V		
Maximum Input Voltage	30V		
Startup Voltage	10.8V		
Maximum Input Power	120W	150W	180W
Maximum Input Current	7.5A	9.37A	11.25A
Output Data(AC)			
Single-Phase Grid Type	120V / 230V		
Rated Output Power	100W	130W	150W
Maximum Output Power	110W	140W	160W
Nominal Output Current	120V : 0.83A/230V : 0.43A	120V : 1.08A/230V : 0.56A	120V : 1.25A/230V : 0.65A
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		
Efficiency			
Peak Efficiency	92.5%		
CEC Weighted Efficiency	@120VAC : 90.5% / @230VAC : 91.5%		
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)	35mm x 76mm x 203mm		
Weight	0.4kg		
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****

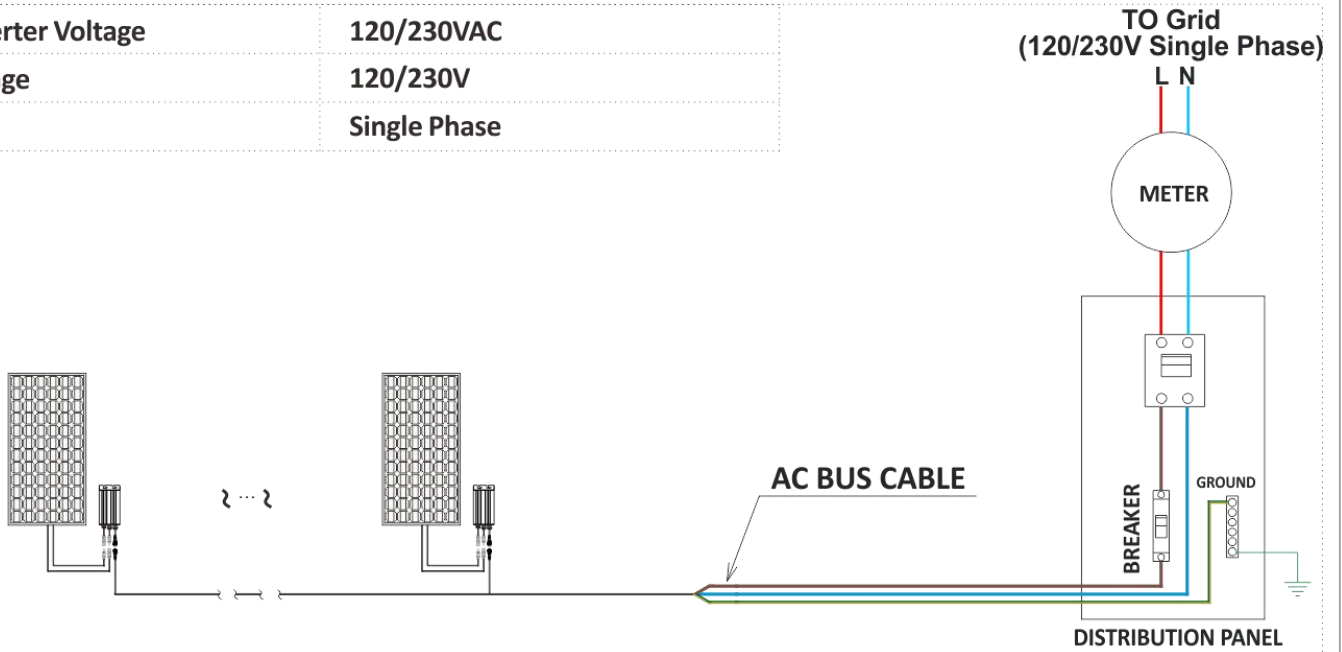
Installation Schematic



Wiring Schematic

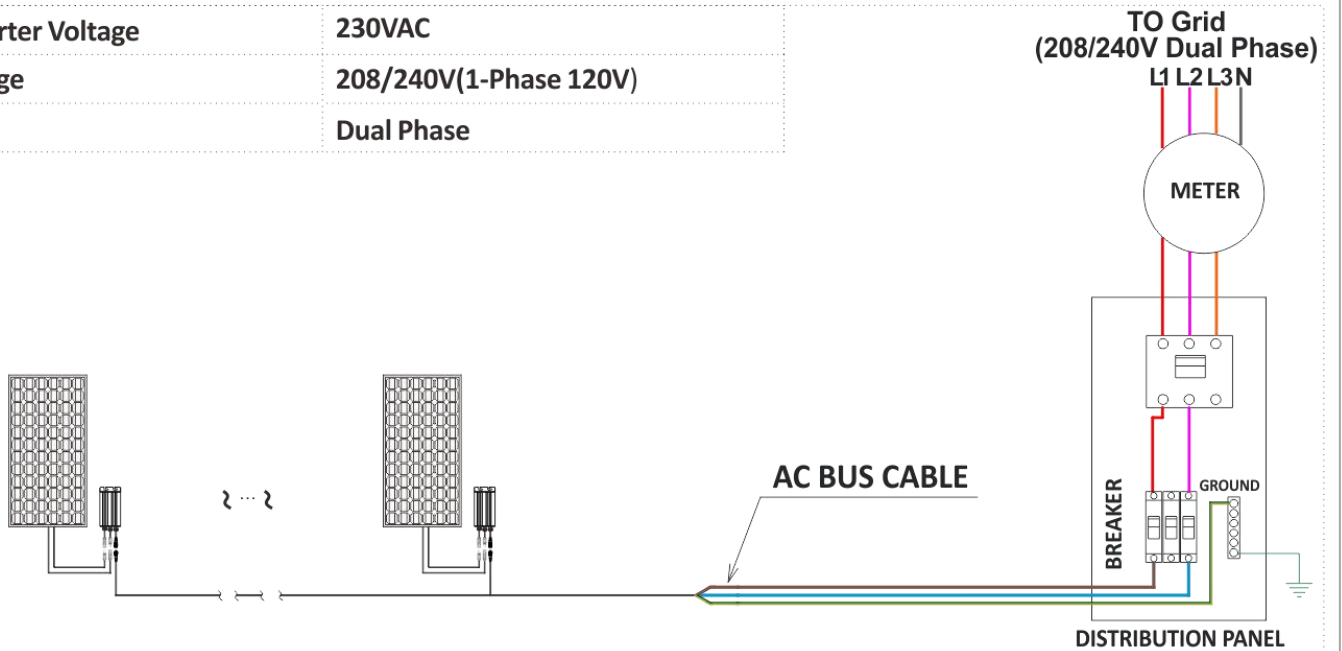
GMI120-180 L Series-120/230VAC @ Single Phase 120/230V

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



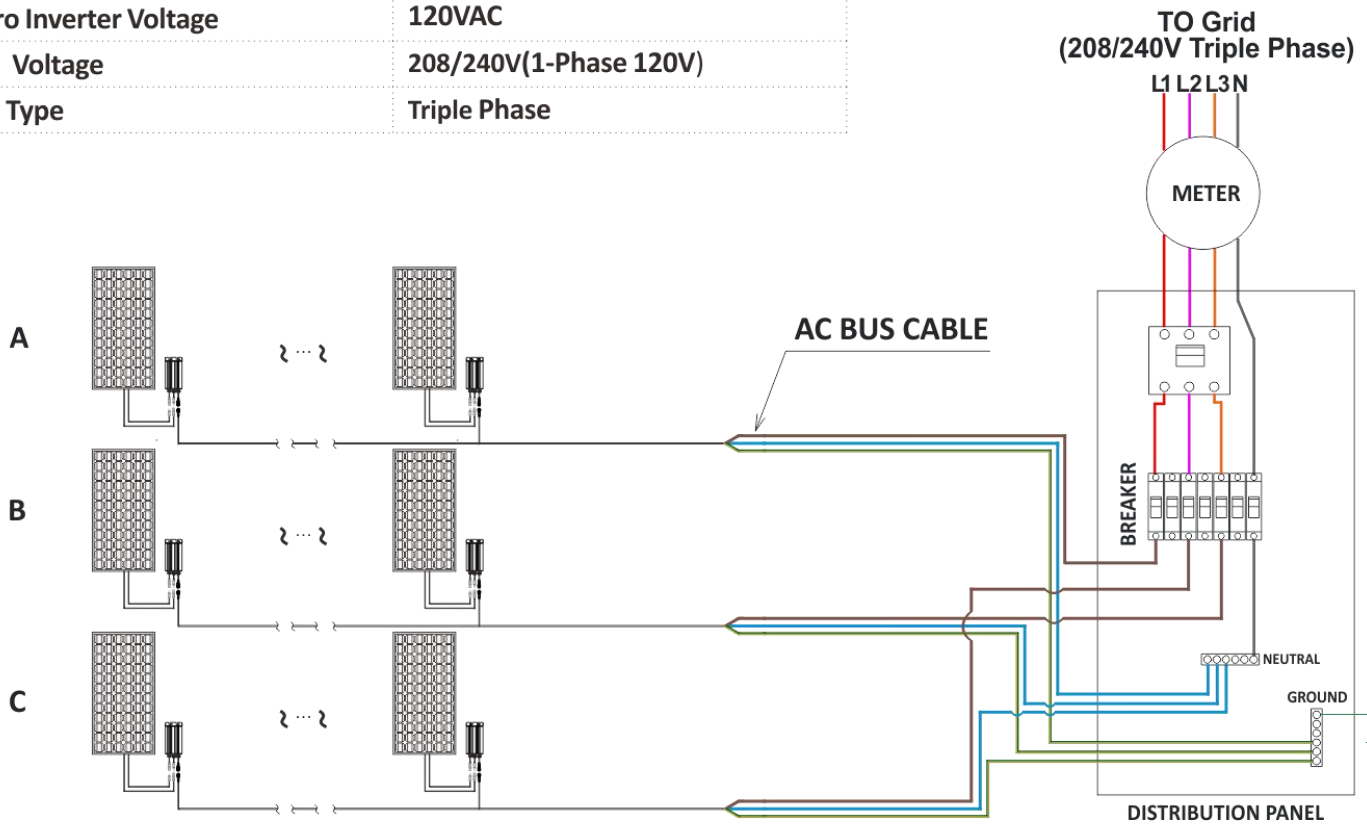
GMI120-180 L Series-230VAC @ 2-Phase 208/240V

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



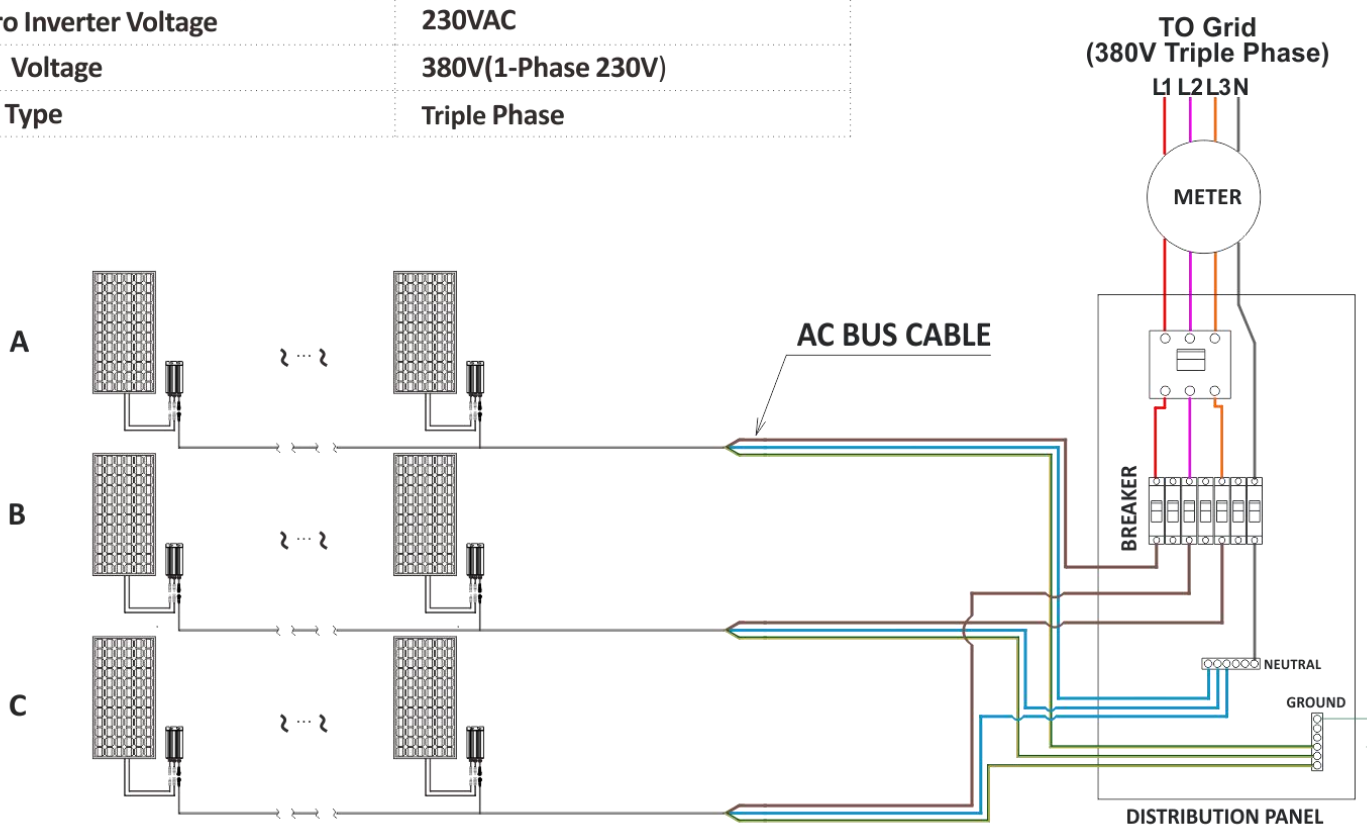
GMI120-180 L Series-120VAC @ 3-Phase 208/240V

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



GMI120-180 L Series-230VAC @ 3-Phase 380V

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



GMI120-180 L 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)
L1 L2 L3 N

