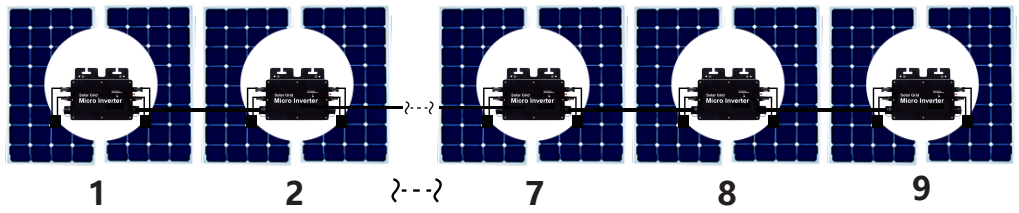
Model	GTB600
Input Data (DC, PV)	
Number of Input MC4 Connector	2 sets
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	52V
Startup Voltage	22V
Maximum Input Power	600W
Maximum input Current	12A*2
Output Data(AC)	
Single-Phase Grid Type	120V&230V
Rated Output Power	600W
Maximum Output Power	600W
Nominal Output Current	@120VAC:5A/@230VAC:2.6A
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:5units /@230VAC: 10units
Efficiency	
Peak Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	<1w
Mechanical Data	
Operating Ambient Temperature Range	-40℃ to +65℃
Storage Temperature Range	-40°C to +85C
Dimensions(W*H *D)	210mmx195mm x 35mm (not include connectors and cable)
Weight	2.45kg
Max Current of AC Bus Cable	20A
Waterproof Grade	IP65
Cooling Mode	Natural Convection- No Fans
Other Features	
Communication	WIFI(Cloud monitoring)
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,

Installation Schematic

Single phase connection method of micro inverter



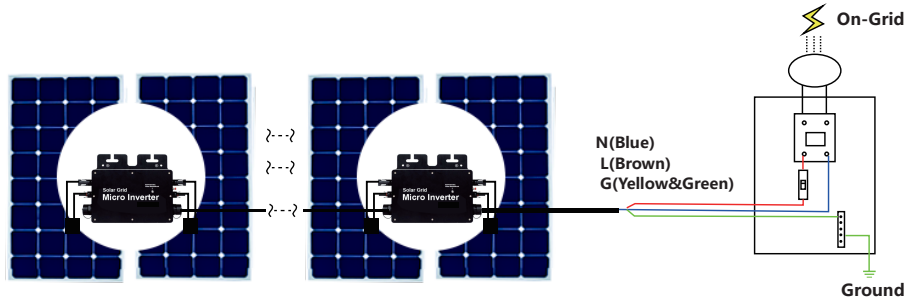
1.GTB600 @Single-Phase 230V gridMaximum 8 units GTB600 Microinverters per branch.

2.The max DC input power of each inverter is 600W(the PV module max output power is 2x300W)

3. The VOC of PV modules should not be greater than the max DC input voltage of Microinverters.

Wiring Schematic

Single phase connection method of micro inverter



Three phase connection method of GTB600 micro inverter