

Input Data (DC, PV)

Number of Input MC4 Connector	4 sets
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	52V
Startup Voltage	18V
Maximum Input Power	1600W
Maximum input Current	15A*2

Output Data(AC)

Single-Phase Grid Type	120V&230V
Rated Output Power	1600W
Maximum Output Power	1600W
Nominal Output Current	@120VAC:5A/@230VAC:2.6A
Nominal Output Voltage	120VAC /230VAC
Default Output Voltage Range	@120VAC:90V-160V /@230VAC:190V-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: 4units

Efficiency

Peak Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	<1w

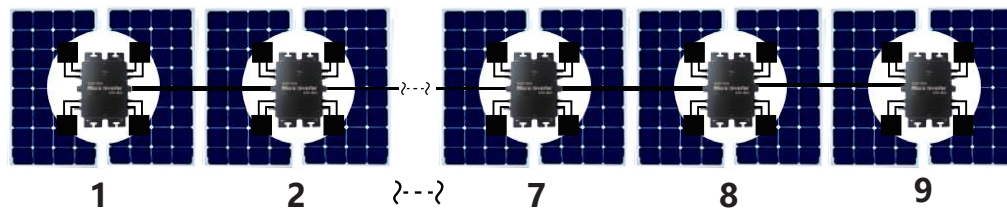
Mechanical Data

Operating Ambient Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +85C
Dimensions(W*H *D)	365mmx230mm x 40mm (not include connectors and cable)
Weight	3.5kg
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,

GTB1600 Micro inverter 230VAC Single-Phase230V

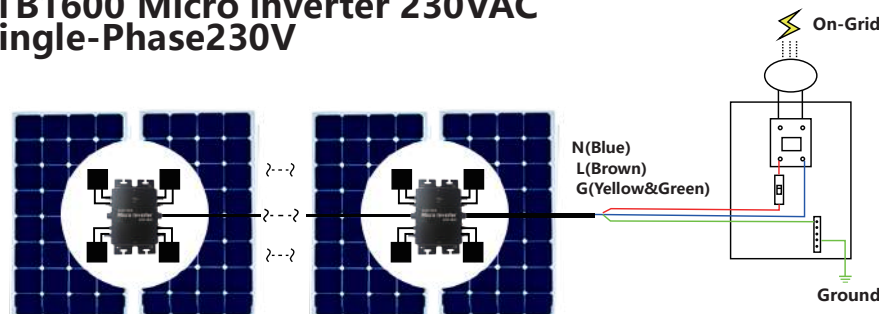


- 1.GTB1600 @Single-Phase 230V gridMaximum 10 units GTB1600Microinverters per branch.
- 2.The max DC input power of each inverter is 1600W(the PV module max output power is 2x30W)
3. The VOC of PV modules should not be greater than the max DC input voltage of Microinverters.

**ATTENTION:** If you combine inverters with different power ratings (e.g. GTB450 with GTB800), the most powerful one must be connected to the mains, otherwise there may be a loss of power

Wiring Schematic

GTB1600 Micro inverter 230VAC Single-Phase230V



GTB1600 Micro inverter 230VAC 3-Phase 380V(Single-Phase 230V)

