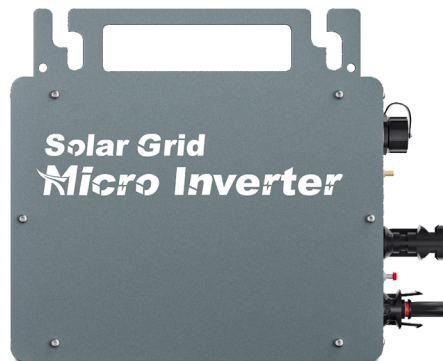


Ultra-thin inverter

250W-300W-350W-400W-450W-500W-550W

90V-260V wide voltage

Ultra-thin inverter



Input Data (DC, PV)

Number of Input MC4 Connector	1 sets
MPPT Voltage Range	22V-48V
Operation Voltage Range	20V-50V
Maximum Input Voltage	50V
Startup Voltage	22V
Maximum Input Power	250/300/350/400/450/500/550W
Maximum input Current	15A*1

Output Data(AC)

Single-Phase Grid Type	90V-260V
Rated Output Power	250/300/350/400/450/500/550W
Maximum Output Power	250/300/350/400/450/500/550W
Nominal Output Current	@120VAC:2.1A/@230VAC:1.1A @120VAC:2.5A/@230VAC:1.3A @120VAC:2.9A/@230VAC:1.5A @120VAC:3.3A/@230VAC:1.7A @120VAC:3.8A/@230VAC:2A @120VAC:4.2A/@230VAC:2.2A @120VAC:4.6A/@230VAC:2.4A

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	250W@120VAC:9units /@230VAC: 18units 300W@120VAC:8units /@230VAC: 15units 350W@120VAC:6units /@230VAC: 13units 400W@120VAC:6units /@230VAC: 11units 450W@120VAC:5units /@230VAC: 10units 500W@120VAC:4units /@230VAC: 9units 550W@120VAC:4units /@230VAC: 8units

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)	187mmx240mmx35mm (not include connectors and cable)
Weight	1.26kg
Max Current of AC Bus Cable	20A
Waterproof Grade	IP66
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,