

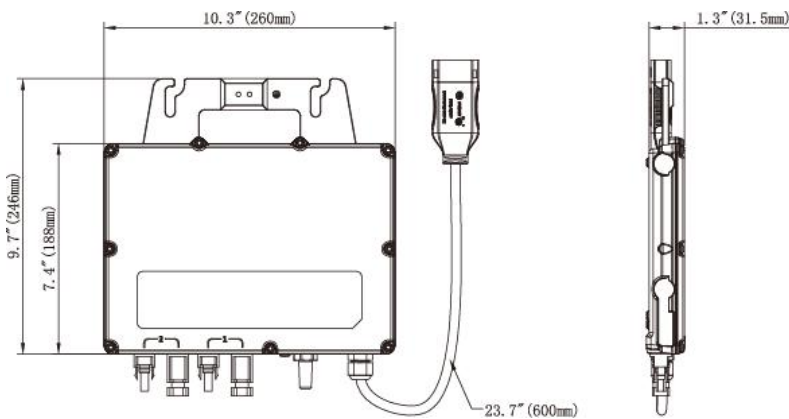


YC600B

Microinverter

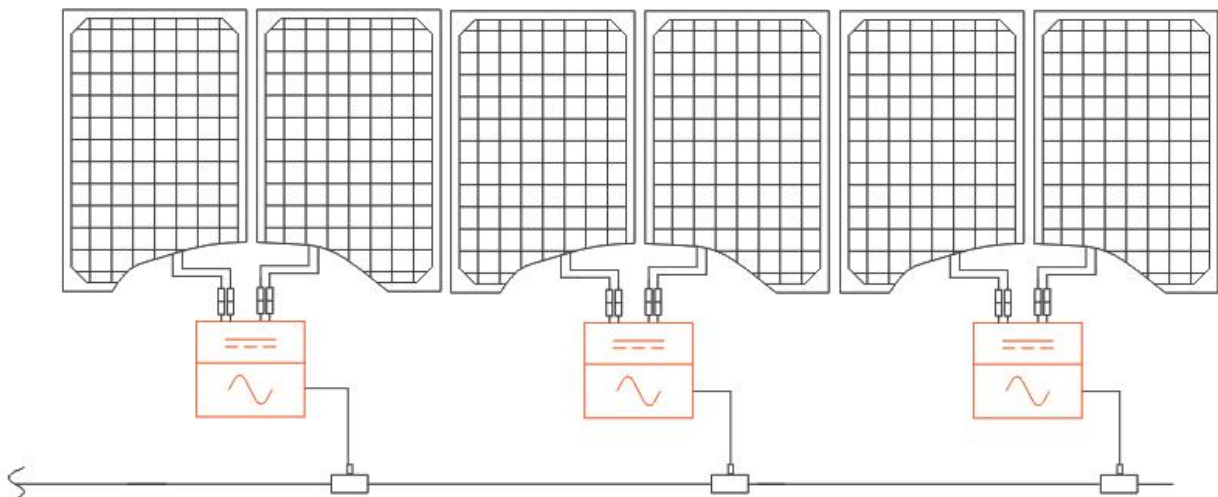
- Dual-module microinverter with independent MPPT per panel
- 550VA continuous output power, 600VA peak
- Accommodates 60 & 72-cell PV modules up to 375W+
- Connect to 120V or 127V grid
- Stable wireless communication

DIMENSIONS



YC600B was designed to accommodate today's high output PV panels, offer enhanced capability and meet the latest grid compliance standards. Offering an unprecedented 300VA peak output power per channel, the YC600B works with 60 and 72-cell PV modules and offers dual, independent MPPT per panel. The YC600B also operates within a wider MPPT voltage range than competing brands for a greater energy harvest.

WIRING SCHEMATIC



YC600B Microinverter Datasheet

Model

YC600B

Input Data (DC)

Recommended PV Module Power (STC) Range	250Wp-375Wp+
MPPT Voltage Range	22V-48V
Operation Voltage Range	16V-60V
Maximum Input Voltage	60V
Maximum Input Current	12A x 2
Maximum Input Short Circuit Current	13.2A

Output Data (AC)

Maximum Continuous Output Power	550VA
Peak Output Power	600VA
Nominal Output Voltage/Range	120V/95-155V
Adjustable Output Voltage Range	90-160V
Nominal Output Current	4.57A
Nominal Output Frequency/Range	60Hz/57-62Hz
Adjustable Output Frequency Range	55.1-64.9Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	4(8PV modules)

Efficiency

Peak Efficiency	95%
CEC Efficiency	96.5%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW

Mechanical Data

Operating Ambient Temperature Range	-40°F to +149 °F (-40 °C to +65 °C)
Storage Temperature Range	-40°F to +185 °F (-40 °C to +85 °C)
Dimensions (W x H x D)	10.3" × 7.4" × 1.3" (260mm X 188mm X 31.5mm)
Weight	5.7lbs(2.6kg)
AC Bus Maximum Current	20A(2.5mm ²)
Connector Type	MC4 Type
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Type 6/IP67
Overvoltage Category	OVC II For PV Input Circuit, OVC III For Mains Circuit

Features

Communication (Inverter To ECU)	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA* Online Portal
Waranty	10 Years Standard

Certificate&Compliance

Compliance	UL1741;CSA C22.2 No. 107.1-16;IEEE1547
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*APsystems online Energy Management Analysis (EMA) platform

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