

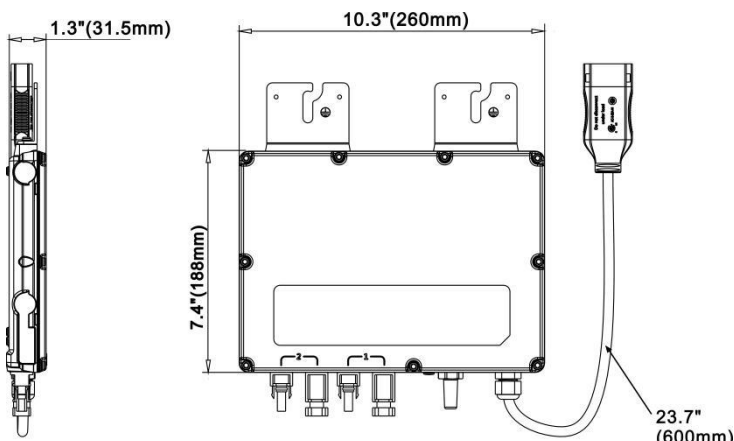


## YC600B

### Microinverter

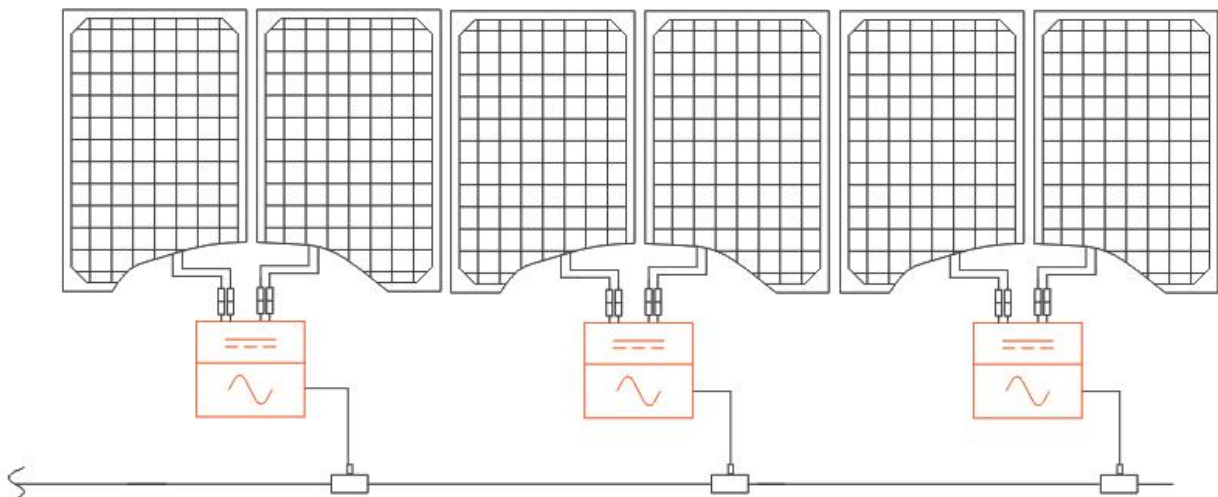
- Dual-module microinverter with independent MPPT per panel
- 548VA maximum continuous output power
- Accommodates 60 & 72-cell PV modules up to 375W+
- Connect to 127V grid
- Stable wireless communication

#### DIMENSIONS



The YC600B is a dual-module, utility-interactive microinverter with support functionality. The first of its kind, the YC600B was designed to accommodate today's high output PV panels, offer enhanced capability and meet the latest grid compliance standards. Offering an unprecedented 274VA 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

<b>Region</b>	<b>LATAM</b>
<b>Model</b>	<b>YC600B-MX</b>
<b>Input Data (DC)</b>	
Recommended PV Module Power (STC) Range	250Wp-375Wp+ / 60 and 72-cell PV modules
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
<b>Output Data (AC)</b>	
Maximum Continuous Output Power	548VA
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%
<b>Efficiency</b>	
Peak Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	30mW
<b>Mechanical Data</b>	
Operating Ambient Temperature Range	-40o F to +149 o F (-40 °C to +65 °C )
Storage Temperature Range	-40 oF to +185 oF (-40 °C to +85 °C )
Dimensions (W x H x D)	10.3" x 7.4" x 1.3" (260mm X 188mm X 31.5mm)
Weight	5.7lbs(2.6kg)
AC Bus Maximum Current	20A
Connector Type	MC4 Type
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Type 6
Overvoltage Category	OVC II For PV Input Circuit, OVC III For Mains Circuit
<b>Features</b>	
Communication (Inverter To ECU)	Zigbee
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA* Online Portal
<b>Certificate&amp;Compliance</b>	
Compliance	IEEE1547
Waranty	10 Years Standard

\*APsystems online Energy Management Analysis (EMA) platform

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Specifications subject to change without notice - please ensure you are using the most recent update found at [www.APsistemas.com](http://www.APsistemas.com)

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