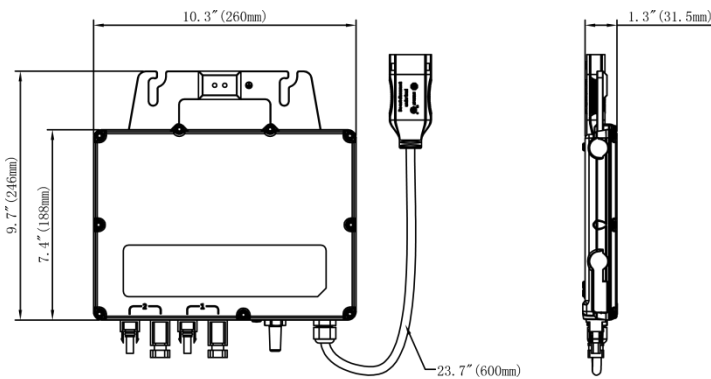




YC600B

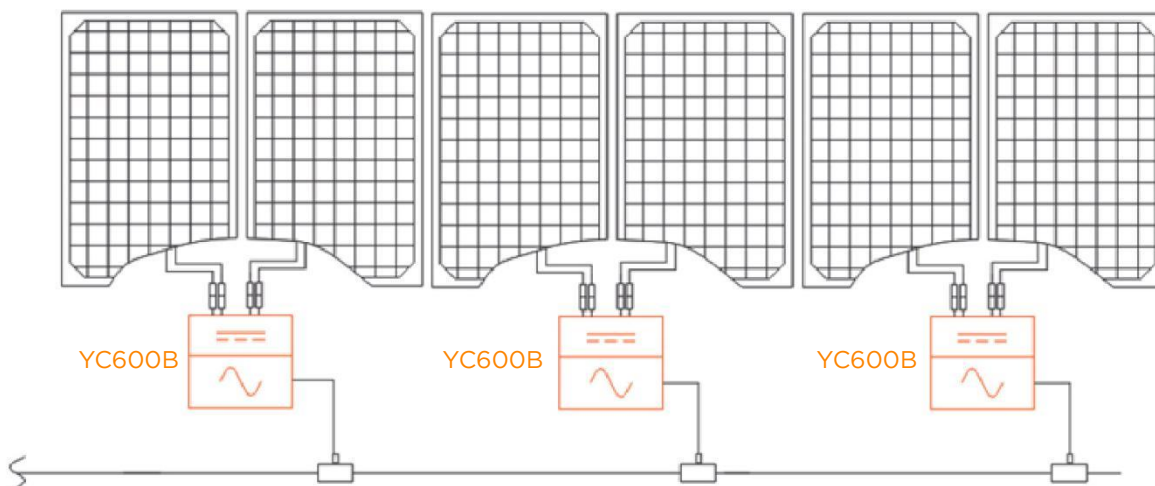
- Dual-module microinverter with independent MPPT per panel
- 550W continuous output power
- Accommodates 60 & 72-cell PV modules up to 450W+
- Connect to 120V or 127V grid
- Stable wireless communication

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 300W 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

Region

Brazil

Input Data (DC)

Recommended PV Module Power (STC) Range	250Wp-450Wp+
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	550W
Nominal Output Voltage/ Range	127V/101-140V
Adjustable Output Voltage Range	90V-160V
Nominal Output Current	4.57A
Nominal Output Frequency/ Range	60Hz/57.5-62Hz
Adjustable Output Frequency Range	55.1Hz-64.9Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units Per Branch	3units per 20A AC breaker/ 4units per 25A AC breaker

Efficiency

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

Mechanical Data

Operating Ambient Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +85°C
Dimensions (W x H x D)	260mm x 188mm x 31.5mm
Weight	2.6kg
AC BUS Maximum Current	3.3mm ²
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	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

Certificate & Compliance

Compliance	UL1741 (IEEE1547); CSA C22.2 No. 107.1; NOM-001 ; ABNT NBR 16149:2013; ABNT NBR 16150:2013; ABNT NBR IEC 62116: 2012
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*APsystems online Energy Management Analysis (EMA) platform.



Specifications subject to change without notice - please ensure you are using the most recent update found at latam.APsystems.com

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