



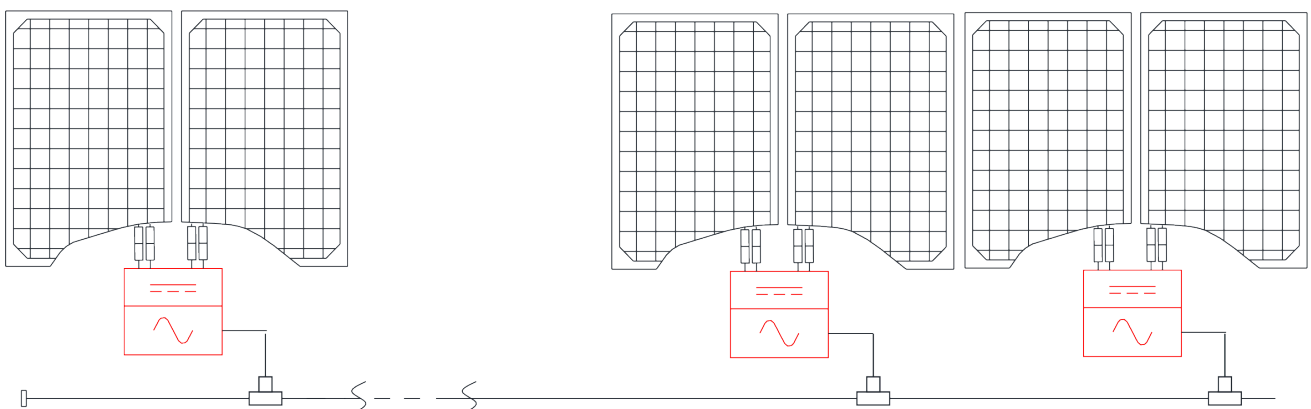
YC600B

- Dual-module microinverter with independent MPPT per panel
- 750VA maximum output power
- Accommodates 60 & 72-cell PV modules up to 550W+
- Connect to 120V or 127V grid
- Stable wireless communication

PRODUCT FEATURES

YC600B was designed to accommodate today's high output PV panels, offer enhanced capability and meet the latest grid compliance standards. Offering an unprecedented 375VA 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



Datasheet | YC600B Microinverter

Model	YC600B
Region	LATAM

Input Data (DC)

Recommended PV Module Power (STC) Range	300Wp-550Wp+
Peak Power Tracking Voltage	22V-48V
Operating 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 Output Power	750VA
Nominal Output Voltage/Range ⁽¹⁾	120V/ 95V-155V
Adjustable Output Voltage Range	90V-160V
Nominal Output Current	6.26A
Nominal Output Frequency/ Range ⁽¹⁾	60Hz/57-62Hz
Adjustable Output Frequency Range	55.1Hz-64.9Hz
Power Factor	>0.99
Maximum Units per 12AWG Branch ⁽²⁾	4

Efficiency

Peak Efficiency	96%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW

Mechanical Data

Operating Ambient Temperature Range ⁽³⁾	-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" x 7.4" x 1.3" (260mm x 188mm x 31.5mm)
Weight	5.7lbs (2.6kg)
AC Bus Cable	12AWG (28A)
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Type 6

Features

Communication (Inverter To ECU) ⁽⁴⁾	Wireless
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management	Energy Management Analysis (EMA) system
Warranty ⁽⁵⁾	10 Years Standard

Compliances

Safety, EMC & Grid Compliances	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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(1) Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

(2) Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

(3) The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.

(4) Recommend no more than 80 inverters register to one ECU for stable communication.

(5) To be eligible for the warranty, APsystems microinverters need to be monitored via the EMA portal. Please refer to our warranty T&Cs available on latam.APsystems.com.

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