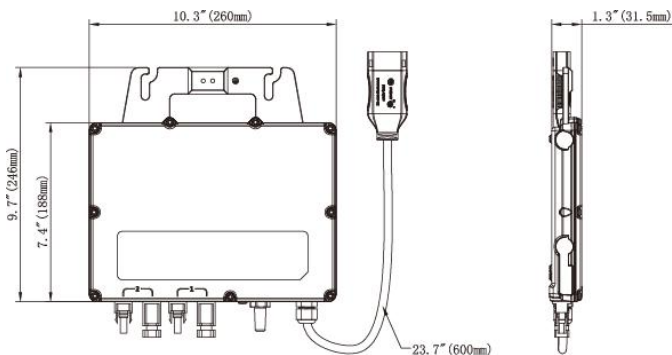




YC600

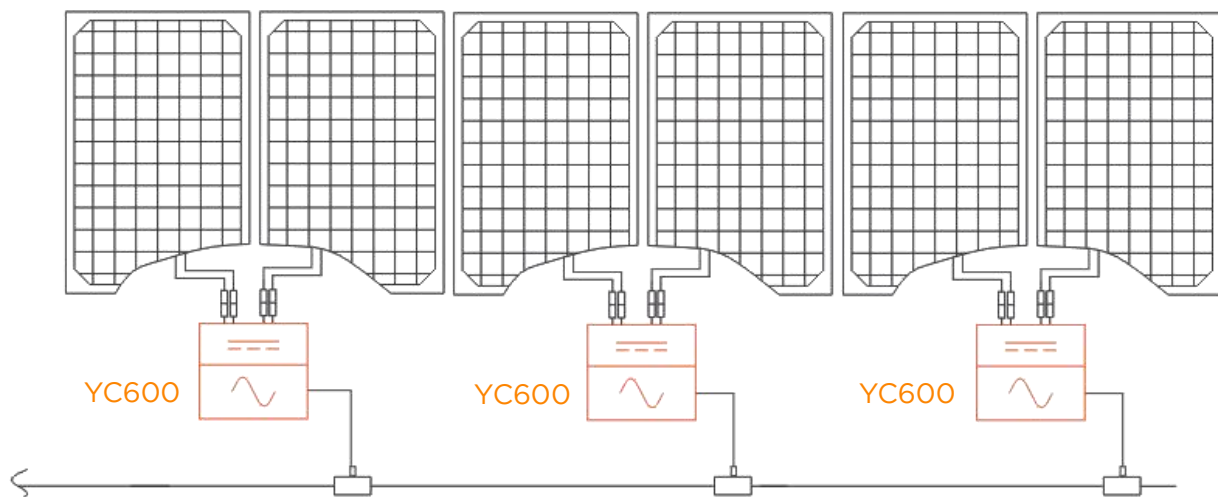
- Dual-module microinverter with independent MPPT per panel
- Utility interactive with Reactive Power Control (RPC)
- 600VA peak output power
- CA Rule 21 (UL 1741 SA) compliant
- Accommodates 60 & 72-cell PV modules up to 450W+

DIMENSIONS



The YC600 is a dual-module, utility-interactive microinverter with Reactive Power Control (RPC) technology and Rule 21 grid support functionality. The first of its kind, the YC600 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 YC600 works with 60 and 72-cell PV modules and offers dual, independent MPPT per panel. The YC600 also operates within a wider MPPT voltage range than competing brands for a greater energy harvest.

WIRING SCHEMATIC



YC600 Microinverter Datasheet

Region

Brazil

Input Data (DC)

| | |
|-----------------------------------------|--------------|
| Recommended PV Module Power (STC) Range | 250Wp-450Wp+ |
| MPPT Voltage Range | 22V-48V |
| Operation Voltage Range | 16V-55V |
| 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 | 220V/ 176V-242V |
| Adjustable Output Voltage Range | 160V-278V |
| Nominal Output Current | 2.5A |
| Nominal Output Frequency/ Range | 60Hz/ 57.5Hz-62Hz |
| Maximum Units per Branch | 6units per 20A AC breaker/ 7units per 25A AC breaker |
| Adjustable Output Frequency Range | 55.1Hz-64.9Hz |
| Power Factor (Adjustable) | 0.8 leading...0.8 lagging |
| Total Harmonic Distortion | <3% |
| Maximum Output Overcurrent Protection | 6.3A |

Efficiency

| | |
|-------------------------|-------|
| Peak Efficiency | 96.7% |
| 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" x 7.4" x 1.3" (260mm x 188mm x 31.5mm) |
| Weight | 5.7lbs (2.6kg) |
| AC Bus Maximum Current | 25A (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 | ABNT NBR 16149:2013; ABNT NBR 16150:2013; ABNT NBR IEC 62116: 2012 |
|------------|-----------------------------------------------------------------------|

*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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APsystems en Guadalajara:

AV. Lazaro Cardenas 2850-5o Piso, Colonia Jardines del Bosque C.P. 44520, Guadalajara, Jalisco

+52 1 33 3188 4604 | info.latam@apsystems.com