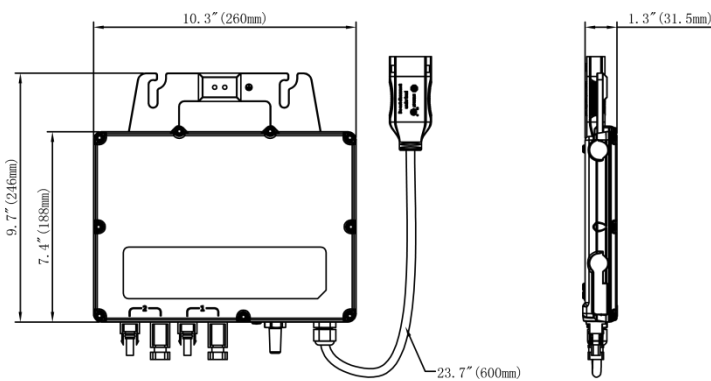




YC600B

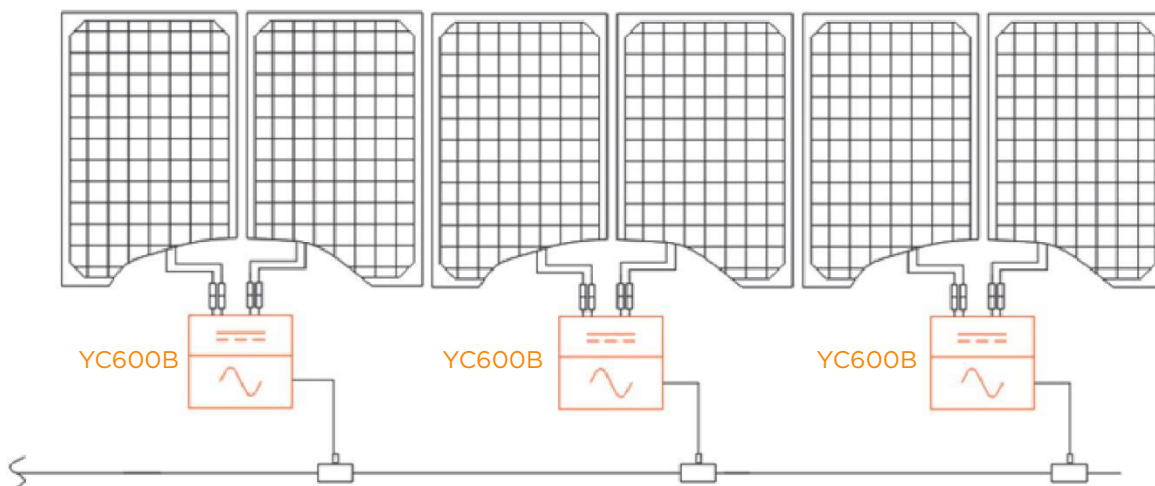
- Dual-module microinverter with independent MPPT per panel
- 750W continuous output power
- Accommodates 60 & 72-cell PV modules up to 450W+
- Connect to 120V or 127V grid
- Stable wireless communication

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 350W 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

LATAM

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 | 14A x 2 |
| Maximum Input Short Circuit Current | 13.2A |

Output Data (AC)

| | |
|-----------------------------------|---------------------------|
| Maximum Continuous Output Power | 750W |
| Nominal Output Voltage/ Range | 120V/ 95V-155V |
| Adjustable Output Voltage Range | 90V-160V |
| Nominal Output Current | 6.26A |
| Nominal Output Frequency/ Range | 60Hz/ 57Hz-62Hz |
| Adjustable Output Frequency Range | 55.1Hz-64.9Hz |
| Power Factor | >0.99 |
| Total Harmonic Distortion | <3% |
| Maximum Units Per Branch | 3units 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°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 | 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 |

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 |
|------------|--|

*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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