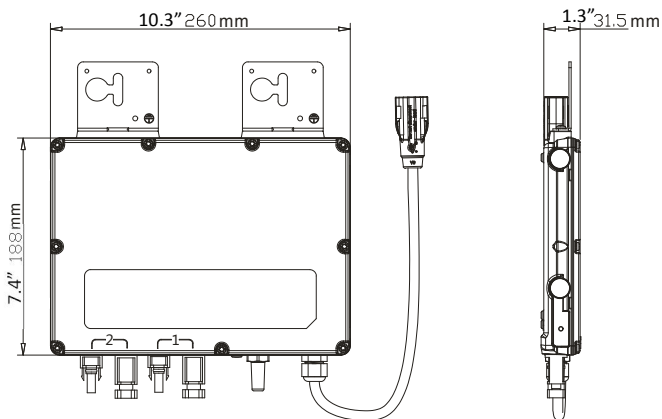


YC600

Microinverter

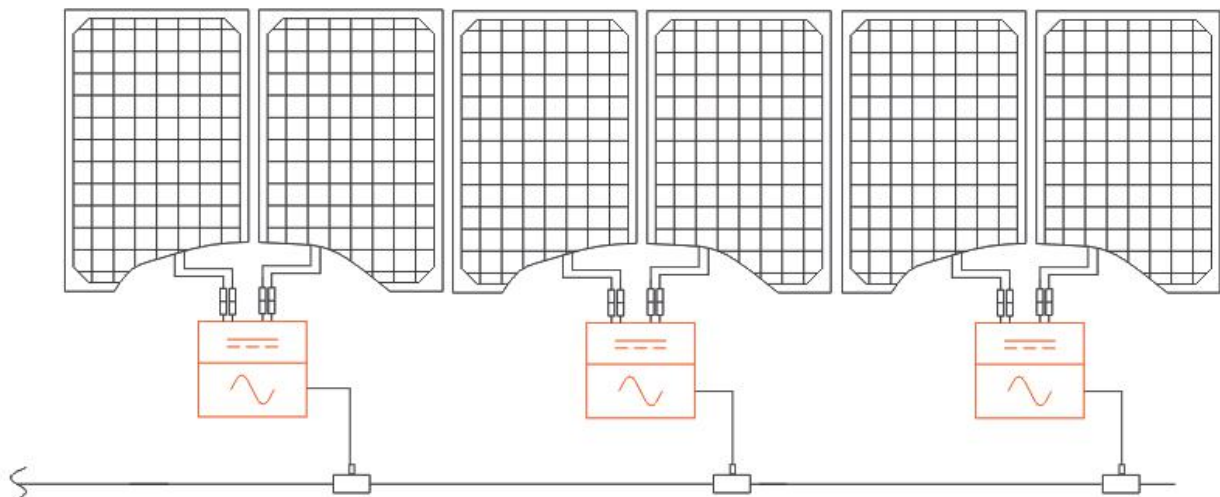
- Dual-module microinverter with independent MPPT per panel
- Utility interactive with Reactive Power Control (RPC)
- 548VA continuous output power, 600VA peak
- CA Rule 21 (UL 1741 SA) compliant
- Accommodates 60 & 72-cell PV modules up to 365W+

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 | Mexico |
| Model | YC600 |
| Input Data (DC) | |
| Recommended PV Module Power (STC) | 200Wp-365Wp |
| MPPT Voltage Range | 22V-45V |
| Operation Voltage Range | 16V-55V |
| Maximum Input Voltage | 55V |
| Maximum Input Current | 12A x 2 |
| Maximum Input Short Circuit Current | 13.2A |
| Output Data (AC) | |
| Maximum Continuous Output Power | 548VA |
| Peak Output Power | 600VA |
| Nominal Output Voltage | 240V |
| Nominal Output Current | 2.28A |
| Maximum Units Per Branch | 7 (14PV modules) |
| Nominal Output Frequency | 60Hz |
| Adjustable Output Voltage Range | 160-278V |
| Adjustable Output Frequency Range | 55.1-64.9Hz |
| Power Factor(Adjustable) | 0.8 leading...0.8 lagging |
| Total Harmonic Distortion | <3% |
| Maximum Output Overcurrent Protection | 6.3A |
| Efficiency | |
| Peak Efficiency | 96.5% |
| CEC Efficiency | 96.5% |
| Nominal MPPT Efficiency | 99.5% |
| Night Power Consumption | 60mW |
| 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 | 20A |
| Connector Type | MC4 Type or Customize |
| Cooling | Natural Convection - No Fans |
| Enclosure Environmental Rating | NEMA6 |
| Overvoltage Category | OVC II For PV Input Circuit, OVC III For Mains Circuit |
| Features | |
| Communication (Inverter To ECU) | Wireless Zigbee |
| Transformer Design | High Frequency Transformers, Galvanically Isolated |
| Monitoring | Via EMA* Online Portal |
| Warranty | 10 Years Standard ; 25 Years Optional |
| Certificate&Compliance | |
| Safety And EMC Compliance | UL1741; CA Rule 21 (UL 1741 SA); FCC Part15; ANSI C63.4; ICES-003 |
| Grid Connection Compliance | IEEE1547 |
| NEC Compliance | NEC2014 & NEC2017 Section 690.11 DC Arc-Fault circuit Protection NEC2014 & NEC2017 Section 690.12 Rapid Shutdown of PV systems on Buildings |

*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

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