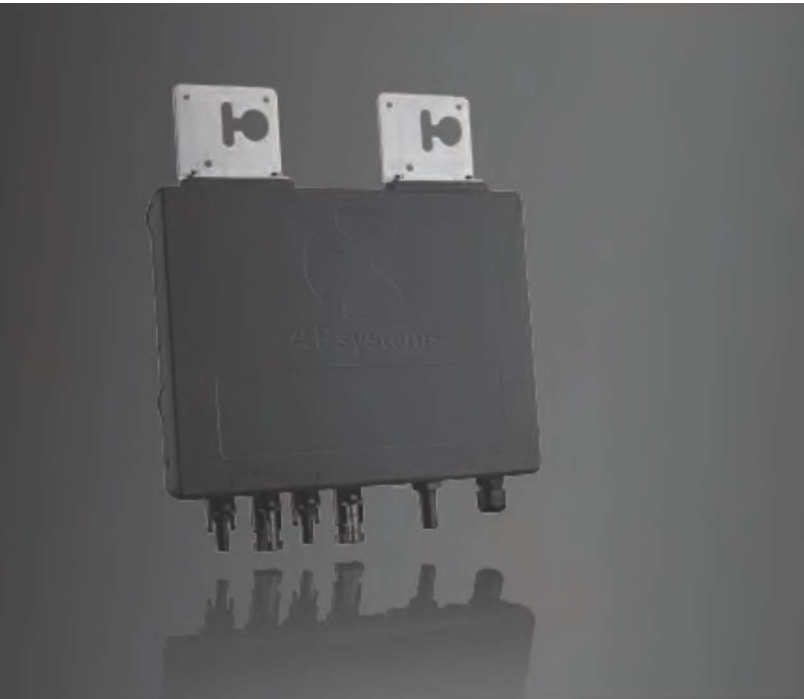


Leading the Industry in Solar Microinverter Technology

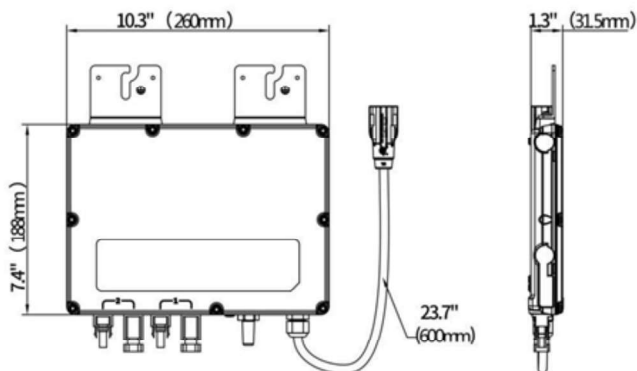
YC600-CA

Microinverter

- 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 365W+

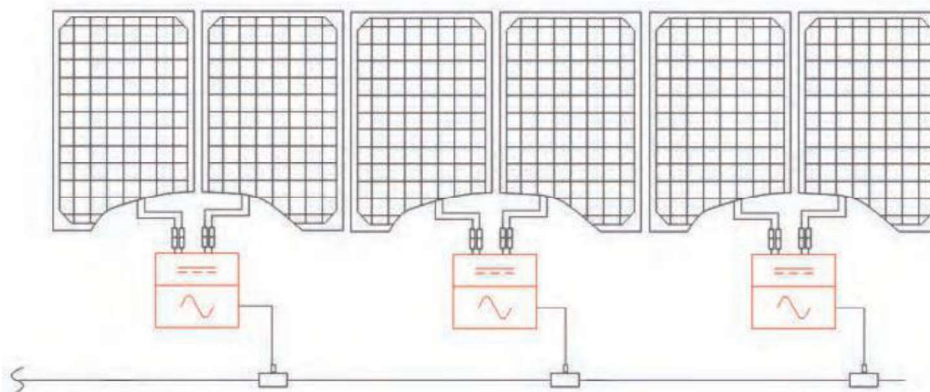


DIMENSIONS



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

Canada

Input Data

Recommended PV Module Power (STC)	200Wp-365Wp
MPPT Voltage Range	22V-48V
Operation Voltage Range	16V-55V
Maximum Input Voltage	55V
Maximum Input Current	12Ax2
Maximum Input Short Circuit Current	13.2A

Output Data (AC)

Maximum Continuous/ Peak Output Power	548VA/ 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	160V-278V
Adjustable Output Frequency Range	55.1Hz-64.9Hz
Power Factor(Adjustable)	0.8 Leading...0.8 Lagging
Total Harmonic Distortion	<3%

Efficiency

Peak Efficiency	96.5%
CEC Weighted 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)	260mm x 188mm x 31.5mm (10.3" x 7.4" x 1.3")
Weight	2.6kg (5.7lbs)
AC Bus Maximum Current	20A
Enclosure Rating	NEMA 6
Cooling	Natural Convection - No Fans

Features & Compliance

Communication (Inverter To ECU)	Wireless Zigbee
Monitoring	Via EMA* Online Porta
Grid Connection Compliance	IEEE1547
Safety & EMC Compliance	UL1741; CA Rule 21 (UL 1741 SA); FCC Part15; ANSI C63.4; ICES-003
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

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

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