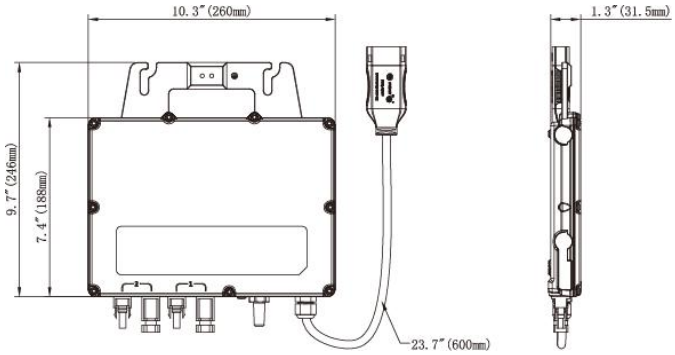
APsystems

Leading the Industry in Solar Microinverter Technology

YC600

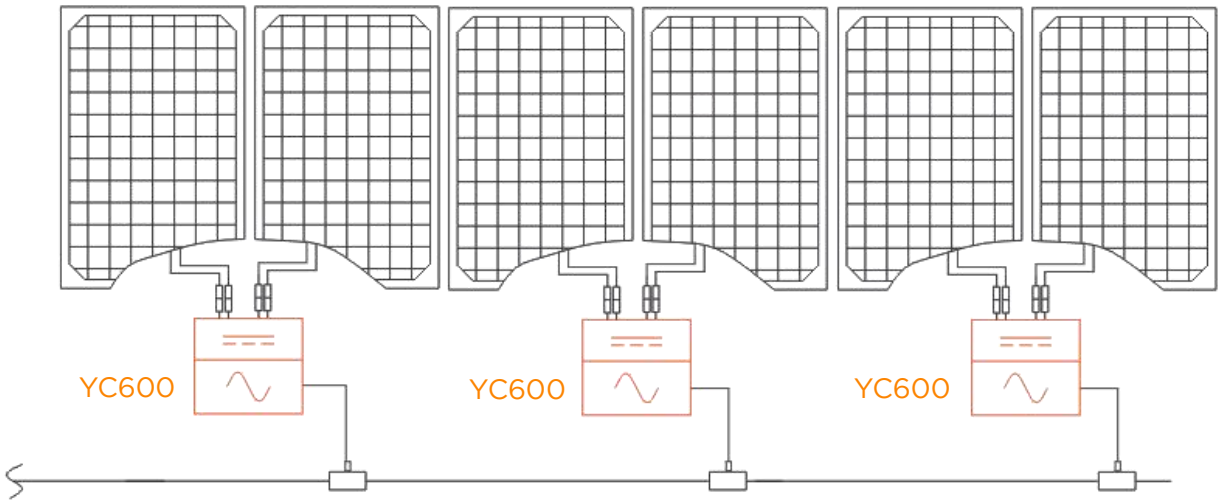
- Dual-module microinverter with independent MPPT per panel
- Utility interactive with Reactive Power Control (RPC)
- 600VA peak output power
- CA Rule 21 (UL 1741 SA) compliant
- Accommodates 60 & 72-cell PV modules up to 450W+

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	LATAM
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 Continous Output Power	548VA
Peak Output Power	600VA
Nominal Output Voltage/ Range	240V/ 211V-264V
Adjustable Output Voltage Range	160V-278V
Nominal Output Current	2.28A
Nominal Output Frequency/ Range	60Hz/ 59.3Hz-60.5Hz
Maximum Units Per Branch	6units per 20A AC breaker/ 8units 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 (12AWG)
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Type 6
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); FCC Part15; CA Rule 21 (UL 1741 SA); CSA C22.2 No. 107.1; ICES-003; NOM-001

* 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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