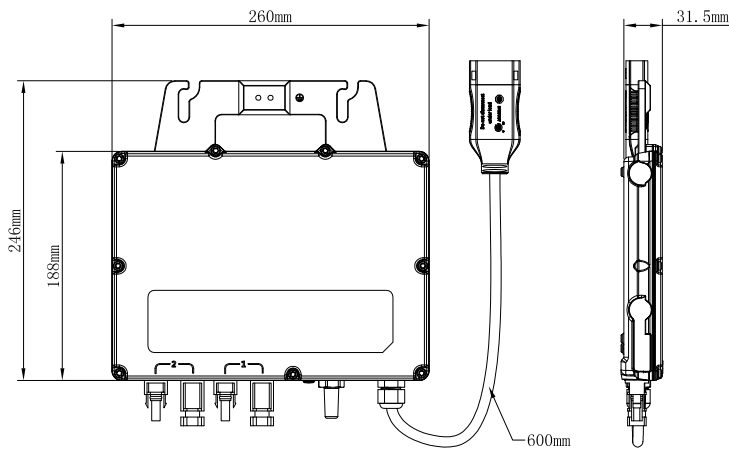




YC600 Microinverter

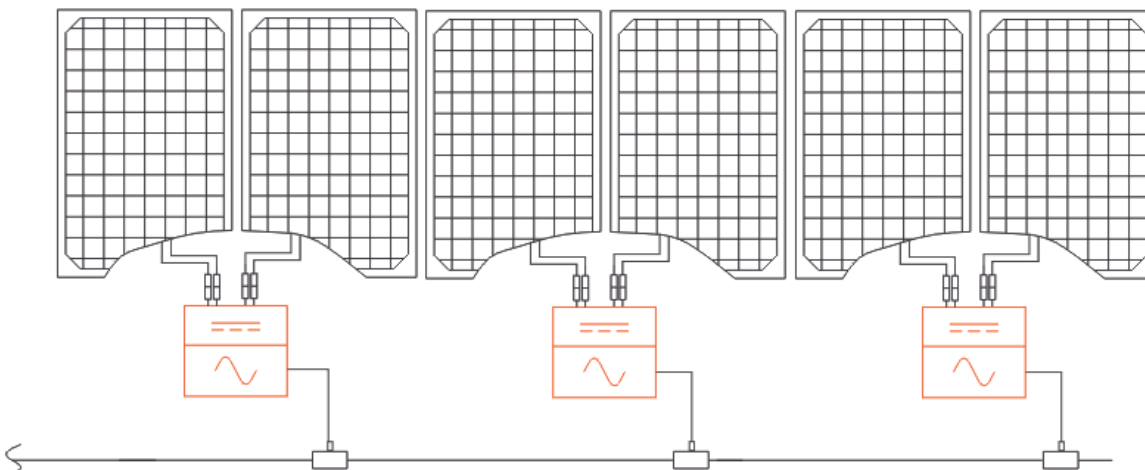
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Peak output power 600VA
- Anti-islanding protection relay integrated
- Adjustable output power factor

DIMENSIONS



Our flagship new range of Grid-tied microinverters with Reactive Power Control (RPC) features includes the new YC600. The APsystems YC600 is a grid-tied microinverter with intelligent networking and advanced monitoring systems to ensure maximum efficiency. High efficiency, high reliability of the YC600 with 2 independent MPPT inputs, Peak AC output power reaching 600VA. Half the inverters and half the installation means real cost savings for residential and commercial customers.

WIRING SCHEMATIC



Datasheet | YC600 Microinverter

Region

EMEA

Model

YC600-EU

Input Data (DC)

Recommended PV Module Power (STC) Range	250Wp-440Wp
MPPT Voltage Range	22V-48V
Operation Voltage Range	16V-55V
Maximum Input Voltage	60V
Maximum Input Current	12A x 2

Output Data (AC)

Maximum Continuous Output Power	550VA
Peak Output Power	600VA
Nominal Output Voltage/Range	230V/184-253V
Adjustable Output Voltage Range	160-278V
Nominal Output Current	2.39A
Nominal Output Frequency/Range	50Hz/48-51Hz
Adjustable Output Frequency Range	45.1-54.9Hz
Power Factor (Adjustable)	0.8 leading...0.8 lagging
Total Harmonic Distortion	<3%

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 °C to +65 °C
Storage Temperature Range	-40 °C to +85 °C
Dimensions (W x H x D)	260mm X 188mm X 31.5mm
Weight	2.6kg
AC Bus Maximum Current	20A
Connector Type	MC4 Type or Customize
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Outdoor - IP67

Features

Communication (Inverter To ECU)	ZigBee
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA* Software
Warranty**	10 Years Standard ; 20 Years Optional

Certificate & Compliance

Safety and EMC Compliance	EN 62109-1; EN 62109-2; EN61000-6-1;EN61000-6-2; EN61000-6-3; EN61000-6-4
Grid Connection Compliance	VDE0126-1-1/A1 VFR2019, ERDF-NOI-RES_13E, VDE-AR-N 4105, RD1699, RD413, EN50438, EN50549

*Energy Management Analysis

**To be eligible for the warranty, APsystems microinverters need to be monitored via the EMA portal. Please refer to our warranty T&Cs available on emea.APsystems.com



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