

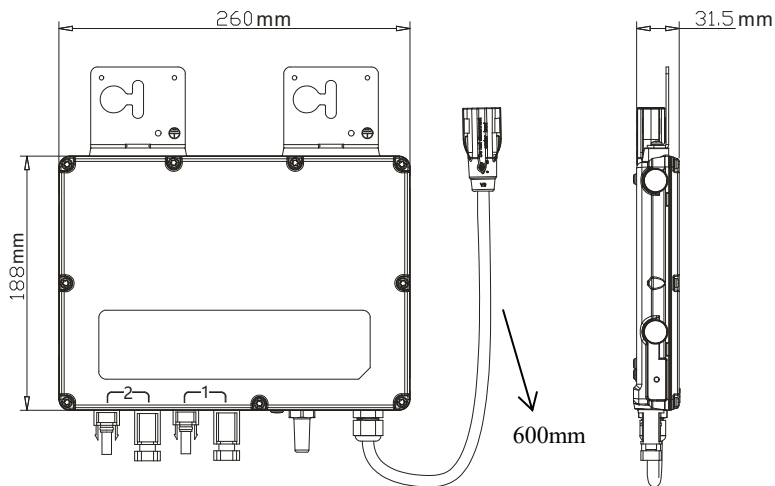


## YC600

### Microinverter

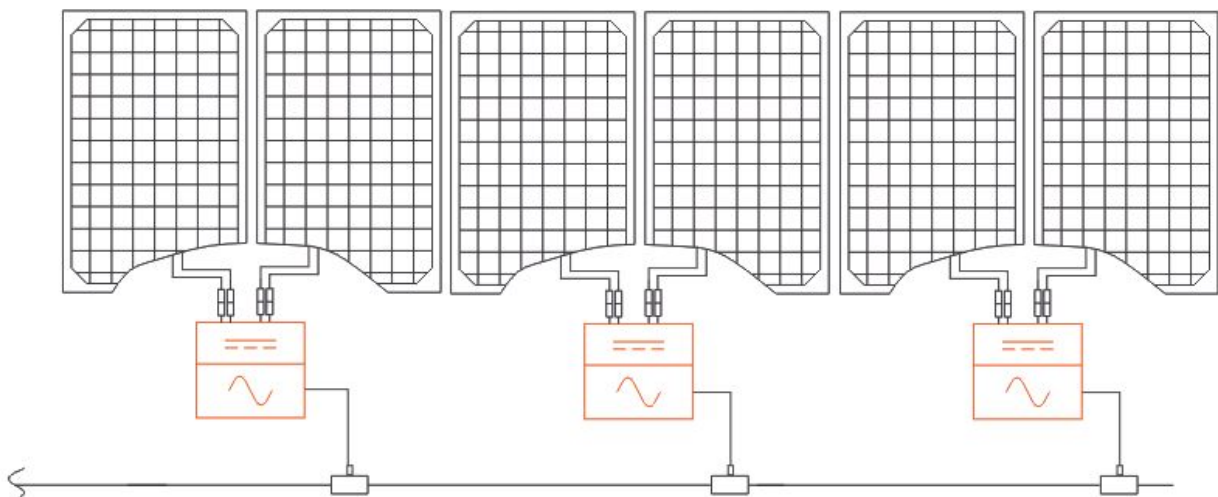
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Maximum AC output power 550VA
- Anti-islanding protection relay integrated
- Adjustable output power factor

#### 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, Maximum AC output power reaching 550VA. Half the inverters and half the installation means real cost savings for residential and commercial customers.

#### WIRING SCHEMATIC



# YC600 Microinverter Datasheet

**Region** France  
**Model** YC600-FR

## Input Data (DC)

Recommended PV Module Power (STC) Range	250Wp-340Wp / 60 and 72-cell PV modules
MPPT Voltage Range	22V-45V
Operation Voltage Range	16V-55V
Maximum Input Voltage	55V
Maximum Input Current	12A x 2

## Output Data (AC)

Maximum Continuous Output Power	550VA
Peak Output Power	600VA
Nominal Output Voltage	230V
Nominal Output Current	2.39A
Maximum Units Per Branch (20A)	7 (14PV modules)
Nominal Output Frequency	50Hz
Adjustable Output Voltage Range	160-278V
Adjustable Output Frequency Range	45.1-54.9Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%

## Efficiency

Peak Efficiency	95.5%
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	3.25kg
AC Bus Maximum Current	20A
Connector Type	MC4 Type or Customize
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Outdoor - IP67
Overvoltage Category	OVC II For PV Input Circuit, OVC III For Mains Circuit

## Features & Compliance

Communication (Inverter To ECU)	Zigbee
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA <sup>*</sup> Software
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 VFR2014,ERDF-NOI-RES_13 <sup>E</sup> ; VDE AR-N 4105,
Waranty	10 Years Standard ; 20 Years Optional

\* Energy Management Analysis

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Specifications subject to change without notice - please ensure you are using the most recent update found at [www.APsystems.com](http://www.APsystems.com)