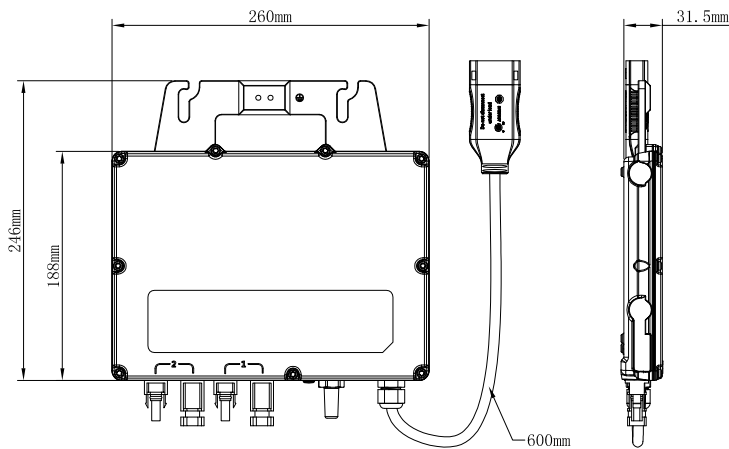




YC600 Microinverter

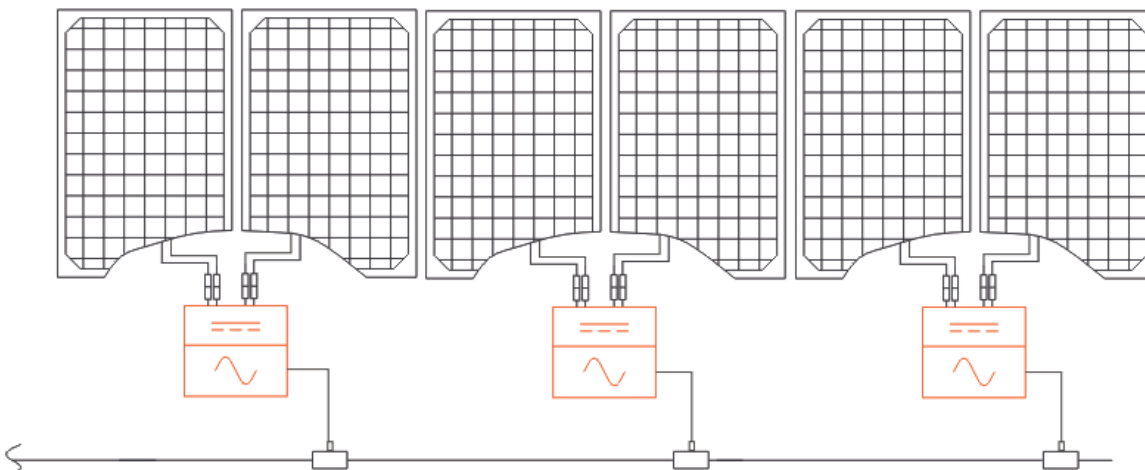
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Peak output power 600VA
- Anti-islanding protection relay integrated
- Adjustable output power factor

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



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

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