

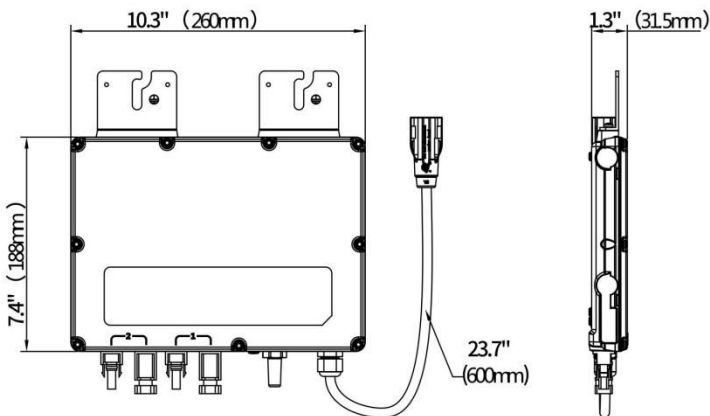


YC600

Microinverter

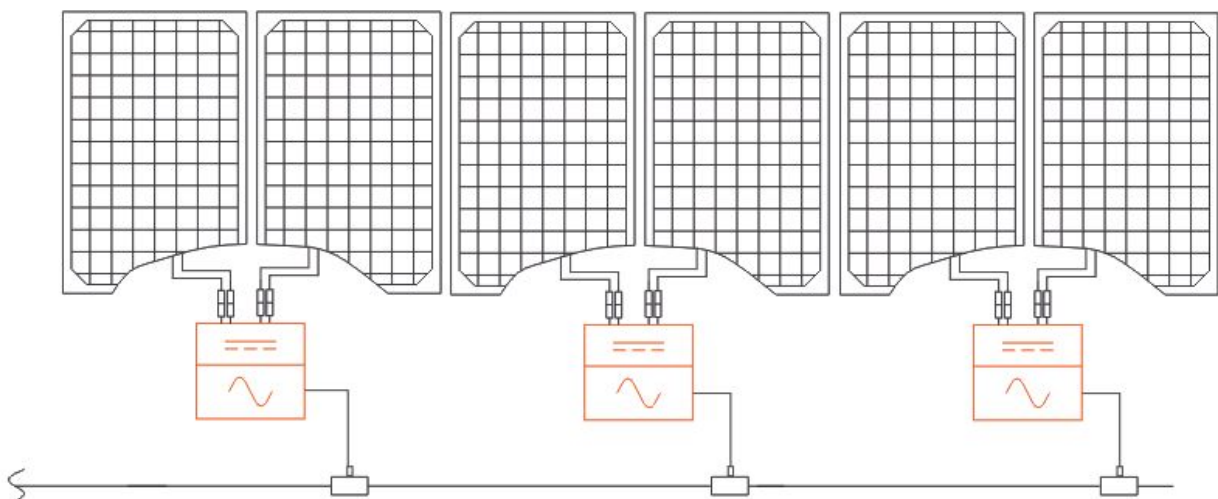
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Peak output power 600VA
- Anti-islanding protection relay integrated
- Adjustable output power factor

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



YC600 Microinverter Datasheet

| | |
|---|--|
| Region | EMEA |
| Model | YC600-EU |
| Input Data (DC) | |
| Recommended PV Module Power (STC) Range | 250Wp-375Wp |
| 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) | 0.9 leading...0.9 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) | 10.3" × 7.4" × 1.3" (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 |
| Overvoltage Category | OVC II For PV Input Circuit, OVC III For Mains Circuit |
| 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 VFR2014,ERDF-NOI-RES_13E,UTE C15-712-1, VDE-AR-N 4105,RD1699,RD413,EN50438 |

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Specifications subject to change without notice

please ensure you are using the most recent update found at www.APsystems.com

European Offices:

APsystems
Cypresbaan 7,
2908 LT, Capelle aan den IJssel The Netherlands
Tel: 031-10-2582670
Email: emea@APsystems.com

APsystems

Rue des Monts dOr,
ZAC de Foliieuses Sud-Les Echets ,
01700 Miribel, France
Email: emea@APsystems.com | Tel: +33-481-65-60-40

