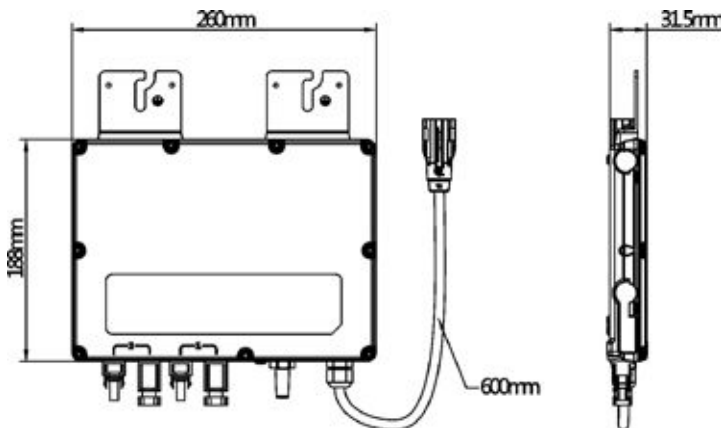


YC600

Microinverter

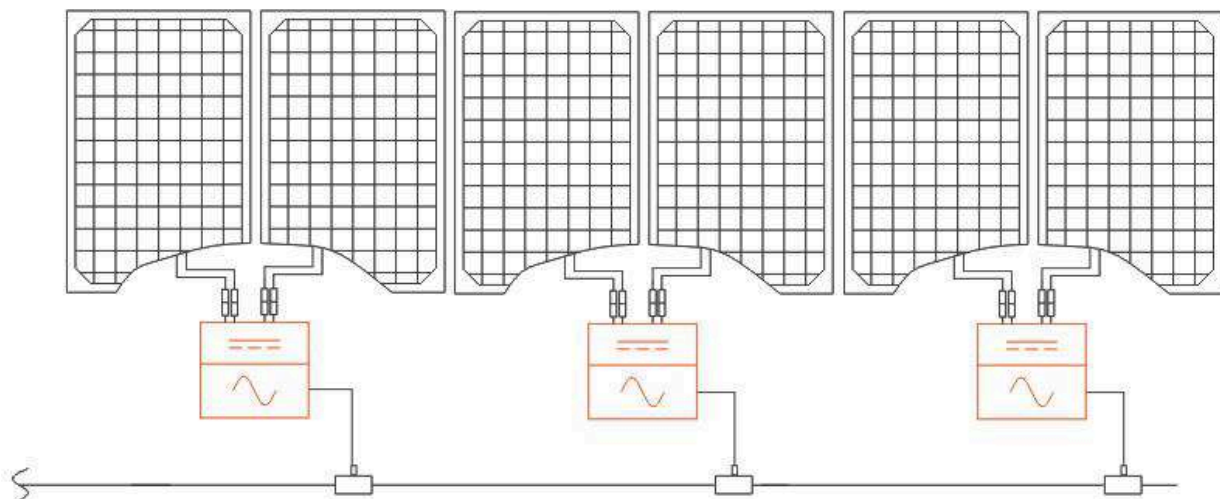
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Peak output power up to 600VA
- Auto disconnection device integrated
- Adjustable output power factor

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

APAC

Model

YC600

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 |
| Startup Voltage | 20V |
| Maximum Input Current | 12A×2 |

Output Data (AC)

| | |
|---------------------------------------|---------------------------|
| Maximum Continuous Output Power | 550VA |
| Peak Output Power | 600VA |
| Nominal Output Voltage/Range | 230V/240V /200V-270V |
| Adjustable Output Voltage Range | 149V-278V |
| Nominal Output Current | 2.39A/2.29A |
| Maximum Units per Branch | 8 (16PV modules) |
| Maximum Output Fault Current | 18A |
| Inrush Current | 54.8A |
| Maximum Output Overcurrent Protection | 6.3A |
| Nominal Output Frequency/Range | 50Hz/47.5Hz-50.5Hz |
| Adjustable Output Frequency Range | 45.1Hz-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 × 188mm × 31.5mm |
| Weight | 2.6kg |
| AC BUS Maximum Current | 20A |
| Enclosure Environmental Rating | Outdoor - IP67 |
| Overvoltage Category | III |
| Wet Locations Classification | For Wet Locations |
| Pollution Degree Classification | Internal-PD2, Outside-PD3 |
| Cooling | Natural Convection - No Fans |
| Overvoltage Category | OVC II For PV Input Circuit, OVC III For Mains Circuit |

Features

| | |
|--------------------|--|
| DRM | Yes |
| Communication | Wireless |
| Transformer Design | High Frequency Transformers, Galvanically Isolated |
| Monitoring | Via EMA Software |
| Warranty | 10 Years Standard ; 15 Years Optional |

Certificate & Compliance

| | |
|----------------------------|-------------------------------------|
| Safety And EMC Compliance | IEC62109-1/-2 ;EN61000-6-1/-2/-3/-4 |
| Grid Connection Compliance | AS/NZS 4777.2:2015 |

Specifications subject to change without notice - please ensure you are using the most recent update found at www.APsystems.com
YC600 must be installed in conjunction with ECU-C or ECU-R in order to comply with AS/NZS 4777.2:2015

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