

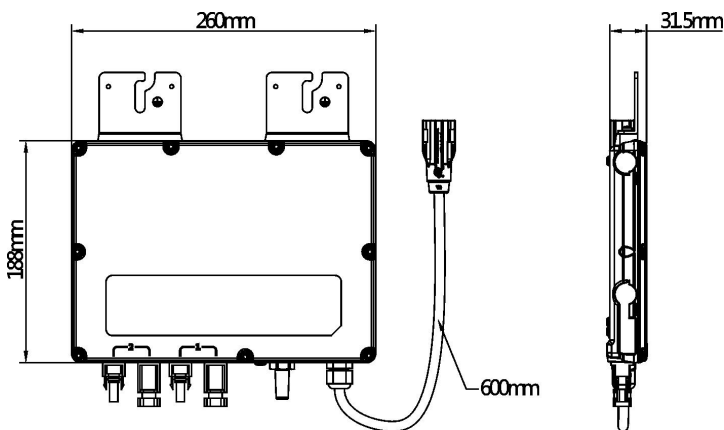


## YC600

### Microinverter

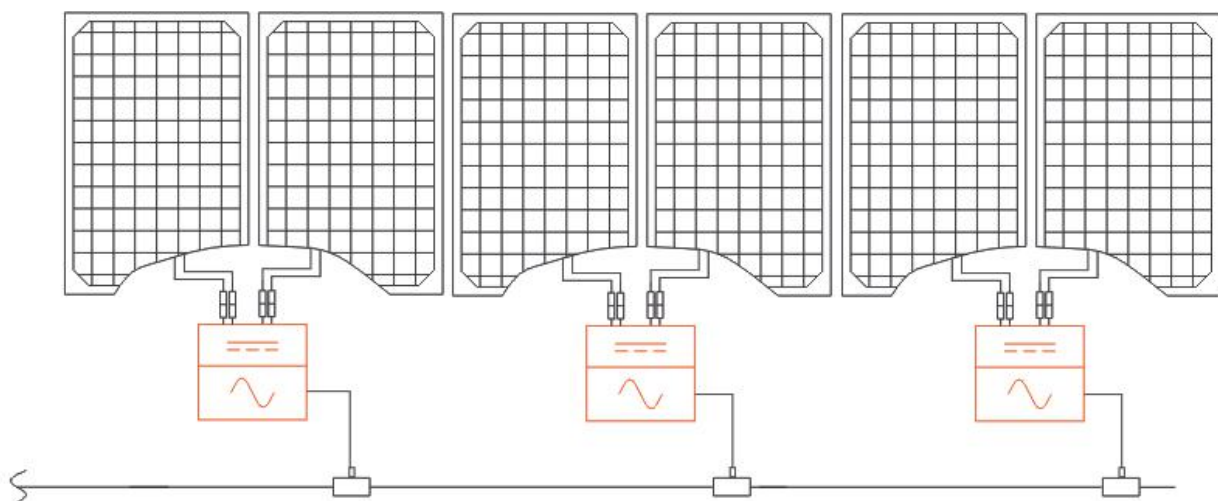
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Maximum continuous output power up to 550VA
- Auto disconnection device integrated
- Adjustable output power factor

#### 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, 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

<b>Region</b>	<b>APAC</b>
<b>Model</b>	<b>YC600</b>
<b>Input Data (DC)</b>	
Recommended PV Module Power(STC)Range	250Wp-375Wp
MPPT Voltage Range	22V-45V
Operation Voltage Range	16V-55V
Maximum Input Voltage	55V
Startup Voltage	20V
Maximum Input Current	12A×2
<b>Output Data (AC)</b>	
Maximum Continuous Output Power	550VA
Peak Output Power	600VA
Nominal Output Voltage	230V/240V
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	50Hz
Adjustable Output Voltage Range	149V-278V
Adjustable Output Frequency Range	45.1Hz-54.9Hz
Power Factor(Adjustable)	0.8 leading...0.8 lagging
Total Harmonic Distortion	<3%
<b>Efficiency</b>	
Peak Efficiency	95.5%
CEC Efficiency	96.5%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW
<b>Mechanical Data</b>	
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
<b>Features</b>	
DRM	Yes
Communication	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA Software
<b>Certificate&amp;Compliance</b>	
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](http://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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