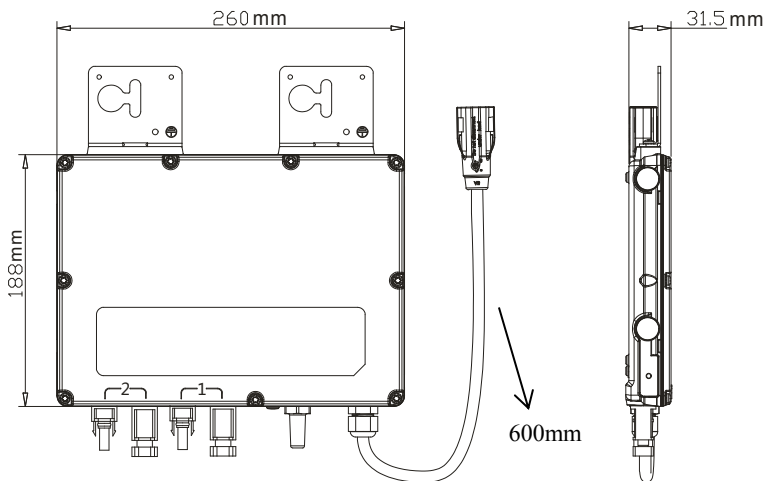




YC600 Microinverter

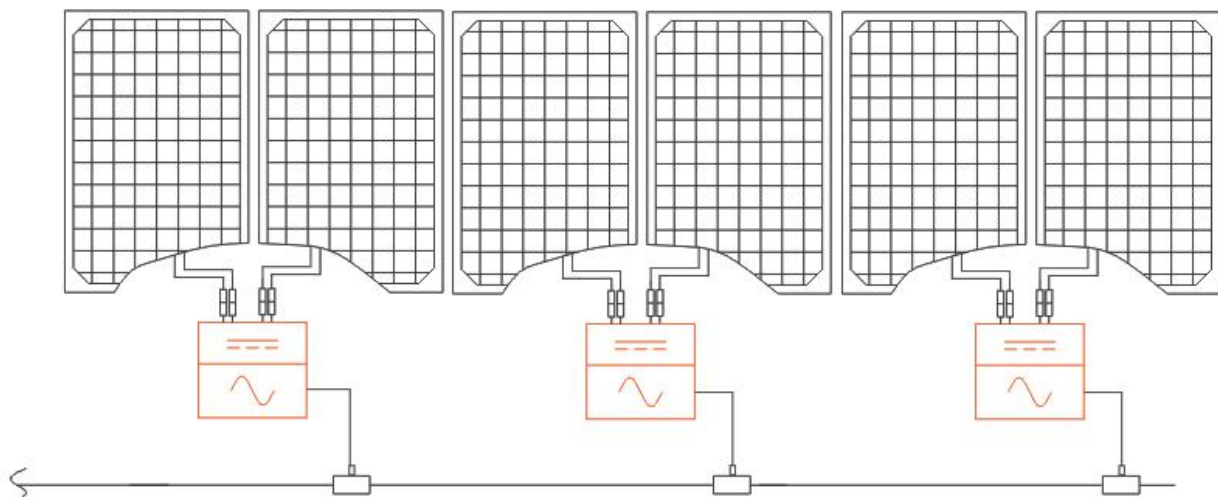
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Maximum continuous output power up to 550VA
- Auto disconnection device integrated
- Adjustable output power factor

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

Region	Australia	New Zealand
Model	YC600	
Input Data (DC)		
Recommended PV Module Power(STC)Range	250Wp-375Wp / 60 and 72-cell PV modules	
MPPT Voltage Range	22V-45V	
Operation Voltage Range	16V-55V	
Maximum Input Voltage	55V	
Startup Voltage	20V	
Maximum Input Current	12A×2	
Output Data (AC)		
Maximum Continuous Output Power	550VA	
Peak Output Power	600VA	
Nominal Output Voltage	230V/240V	
Nominal Output Current	2.39A/2.29A	
Maximum Output Fault Current	18A	
Inrush Current	54.8A	
Maximum Output Overcurrent Protection	6.3A	
Adjustable Output Voltage Range	149V-278V	
Nominal Output Frequency	50Hz	
Adjustable Output Frequency Range	45.1Hz-54.9Hz	
Total Harmonic Distortion	<3%	
Power Factor(Adjustable)	0.8 leading...0.8 lagging	
Maximum Units per Branch	8	
Efficiency		
Peak Efficiency	95.5%	
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	3.25kg	
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	
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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