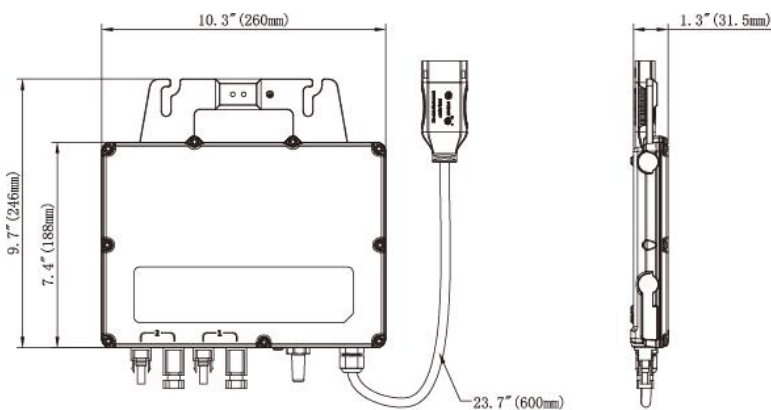


YC600

Microinverter

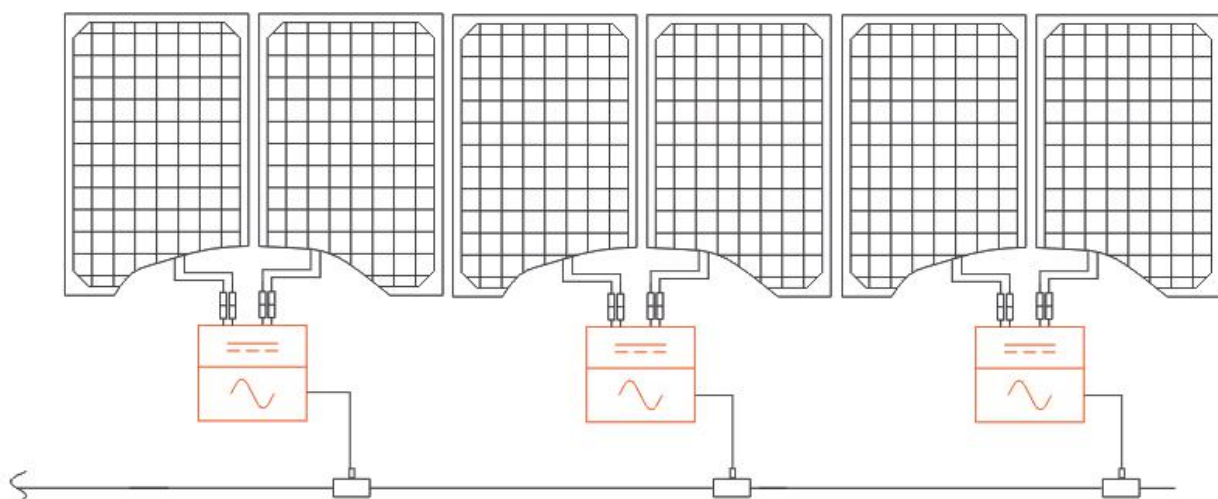
- Single unit connects two modules
- 2 input channels with independent MPPT and monitoring function
- Peak output power 600VA
- Anti-islanding protection relay integrated
- Adjustable output power factor

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-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
Maximum Units Per Branch	6units per 20A AC breaker/8units per 25A AC breaker
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%
Zigbee RF Frequency Range	2405MHz to 2480MHz
Maximum RF Transmit Power	20dBm
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(2.5mm ²)
Connector Type	MC4 Type
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)	Wireless
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,EN50549-1

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2020/4/13



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