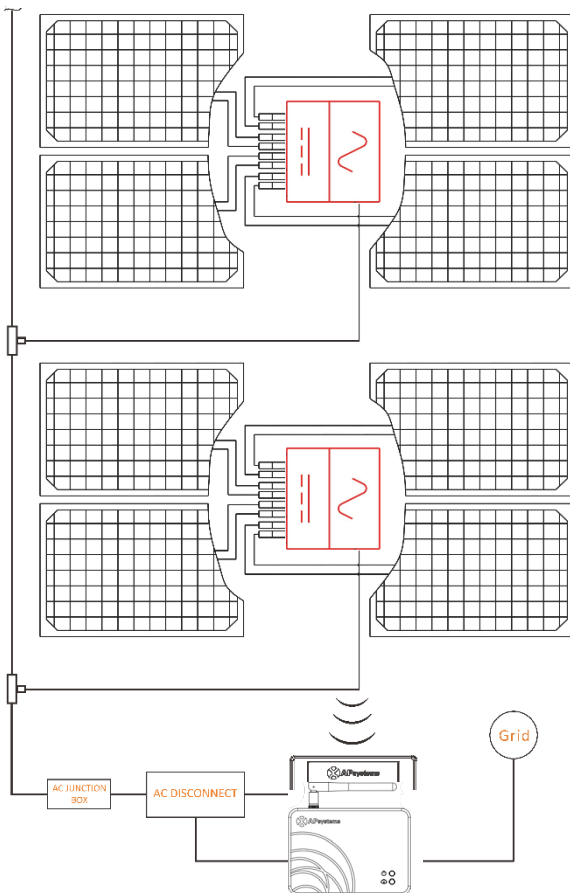


YC1000

3-Phase Microinverter

- Single unit connects up to four modules
- Maximum 1130W AC output
- True 3-phase output
- Wireless communication and monitoring
- Up to 12 microinverters can be linked in a single 20A circuit

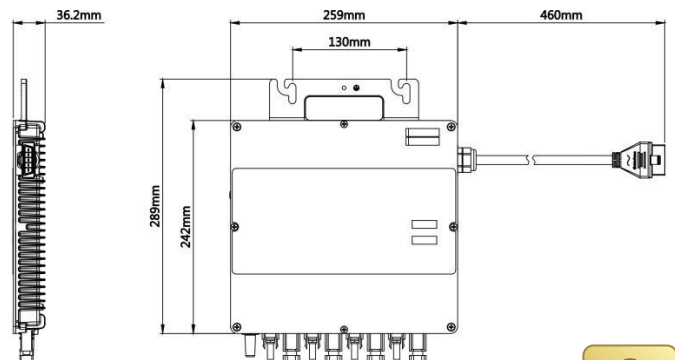
WIRING SCHEMATIC



World's first true 3-phase microinverter - only from APsystems

The YC1000 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 230/400 with 1130 watts maximum output, Wireless communication and an integrated ground. Each YC1000 supports up to 4 solar modules.

DIMENSIONS



Datasheet | Microinverter YC1000

Region

Europe & MEA

Model

YC1000-EU

Input Data (DC)

Recommended PV Module Power (STC) Range	Up to 350 Wp (4 Module configuration) Up to 450 Wp (3 Module configuration)
MPPT Voltage Range	16V-55V
Operation Voltage Range	16V-55V
Maximum Input Voltage	60 V
Startup Voltage	22V
Maximum Input Current	14.8A×4

Output Data (AC)

3-Phase Grid Type	230V/400V
Rated Output Power	900W
Maximum Output Power	1130W
Maximum Output Current	1.64A×3
Nominal Output Voltage/Range	230V×3/184V-253V*
Adjustable Output Voltage Range	149V-278V
Nominal Output Frequency/Range	50Hz/48Hz-51Hz*
Adjustable Output Frequency Range	45.1Hz-54.9 Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch (20 A)	12 units per 20A x3 AC breaker, 48 modules

Efficiency

Peak Efficiency	95.5%
CEC Weighted Efficiency	95,0%
Nominal MPPT Efficiency	99,9%
Night Power Consumption	300mW

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)	259mm × 242mm × 36mm
AC BUS Maximum Current	20A
Weight	3.5kg
Enclosure Rating	IP67
Cooling	Natural Convection - No Fans

Features & Compliance

Communication (de l'onduleur vers l'ECU)	ZigBee (Wireless)
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	EN50549-1, VFR2019, VDE126-1-1/A1, VDE AR N 4105*, RD413: 2014, RD1699: 2011, RD661: 2007
Transformer Design	High Frequency Transformers, Galvanically Isolated
Warranty**	10 Years Standard ; 20 Years Optional

* Programmable through ECU in field to meet customer need

**To be eligible for the warranty, APsystems microinverters need to be monitored via the EMA portal. Please refer to our warranty T&Cs available on emea.APsystems.com



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Specifications subject to change without notice please ensure you are using the most recent update found at web : emea.APsystems.com

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