



YC1000-3

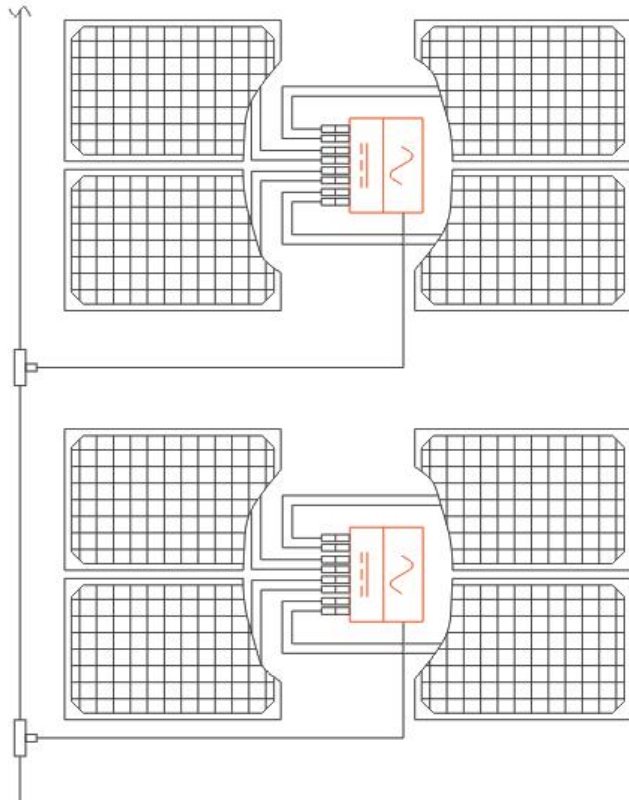
3-Phase Microinverter

- Single unit connects up to four modules
- Maximum 1130W AC output
- True 3-phase output
- ZigBee wireless communication and monitoring
- Up to 48 solar modules (60 or 72-cell) can be linked in a single 20A circuit*

*Please see YC1000 user manual on specifications for 230/400VAC.

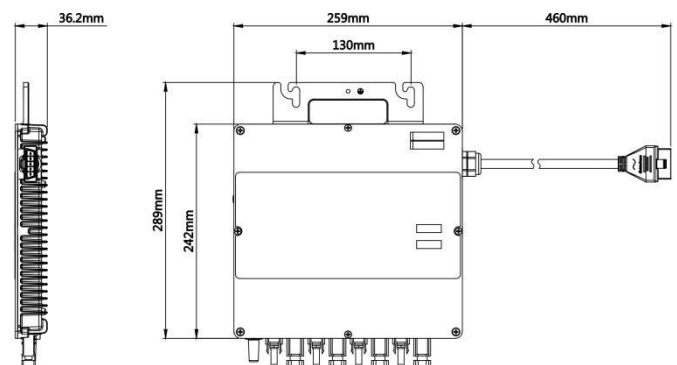
World's first true 3-phase microinverter – only from APsystems

WIRING SCHEMATIC



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

DIMENSIONS



YC1000-3 3-Phase Microinverter Datasheet

Region Netherlands,France,Portugal,Switzerland
Model YC1000-3-EU

Input Data (DC)

Recommended PV Module Power (STC)Range	Up to 310 Wp (4 Module configuration) Up to 360 Wp (3 Module configuration)
MPPT Voltage Range	16V-55V
Operation Voltage Range	16V-55V
Maximum Input Voltage	60V
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
Nominal Output Current	1.44A×3
Nominal Output Voltage	230V×3
Default Output Voltage Range	184V-253V*
Extended Output Voltage Range	149V-278V
Nominal Output Frequency	50Hz
Default Output Frequency Range	48Hz-51Hz*
Extended Output Frequency Range	45.1Hz-54.9 Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch (20 A)	12 for 20A X 3 Breaker / 48 Modules

Efficiency

Peak Efficiency	95%
CEC Weighted Efficiency	94.5%
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	Zigbee
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	EN50438;VDE126-1-1
Transformer Design	High Frequency Transformers, Galvanically Isolated

* Programmable through ECU in field to meet customer need.

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