

YC1000-3

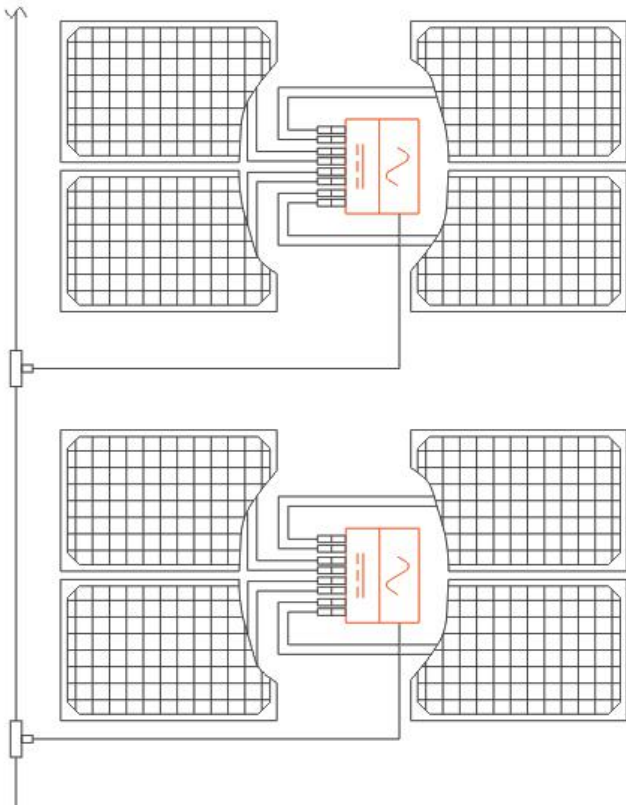
3-Phase Microinverter

- Single unit connects up to four modules
- Maximum 1130W AC output
- True 3-phase output
- Wireless communication and monitoring
- Up to 10 microinverters can be linked in a single 20A circuit*

*Please see YC1000-3 user manual on specifics for 230/400VAC.

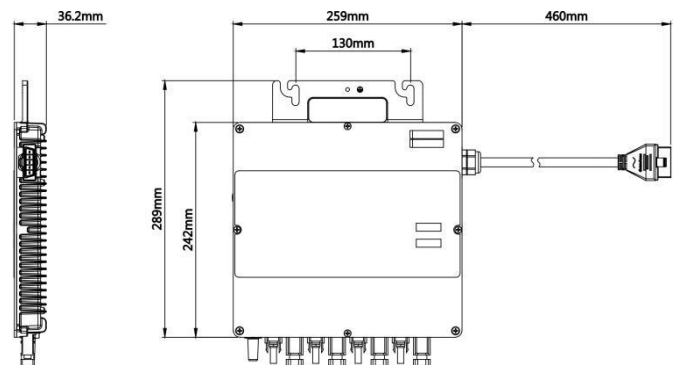
World's first true 3-phase microinverter – only from APsystems

WIRING SCHEMATIC



The YC1000-3 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 YC1000-3 supports up to 4 solar modules.

DIMENSIONS



(For Australia/New Zealand)

YC1000-3 3-Phase Microinverter Datasheet

Region

Australia, New Zealand

Model

YC1000-3-SAA

Input Data (DC)

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
Maximum Output Current	1.64A×3
Nominal Output Voltage/Range	230V×3/200V-270V*
Adjustable Output Voltage Range	149V-278V
Nominal Output Frequency/Range	50Hz/47.5Hz-50.5Hz*
Adjustable Output Frequency Range	45.1Hz-54.9 Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch	10units per 20AX3 AC breaker/12units per 25AX3 AC breaker**

Efficiency

Peak Efficiency	95.5%
CEC Weighted Efficiency	95%
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(2.5mm ²)
Weight	3.5kg
Enclosure Rating	IP67
Cooling	Natural Convection - No Fans

Features & Compliance

Communication	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Integrated Ground	The DC circuit meets the requirements for ungrounded PV arrays in NEC690.35. Equipment ground is provided by the PE in the AC cable. No additional ground is required. Ground fault protection (GFP) is integrated into the microinverter.
Safety Class Compliance	AS3100/IEC62109-1/IEC62109-2
Grid Connection Compliance	AS 4777.2/AS 4777.3

* Programmable through ECU in field to meet customer need.

**Depending on the local regulations.

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

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