

# YC1000-3

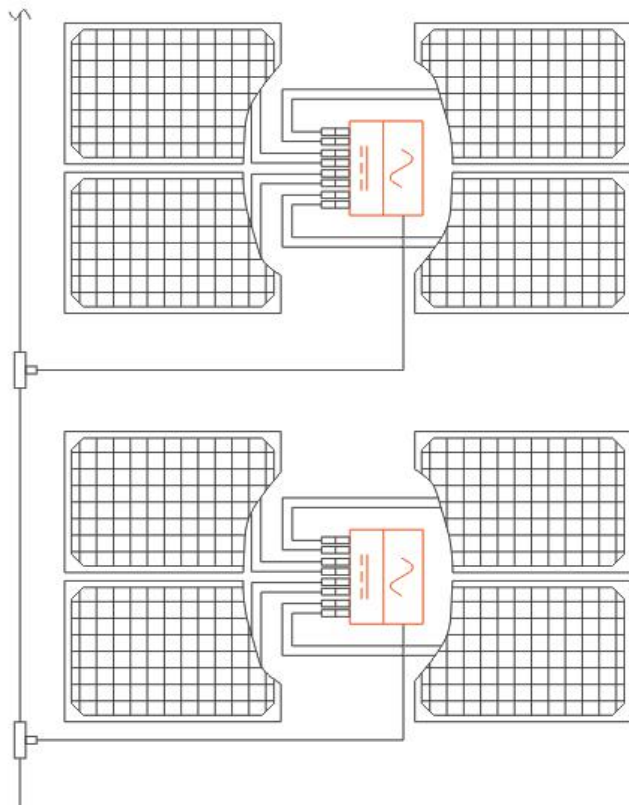
## Commercial Microinverter

- Single unit connects up to four modules
- 900W 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 specifics for 230/400VAC.

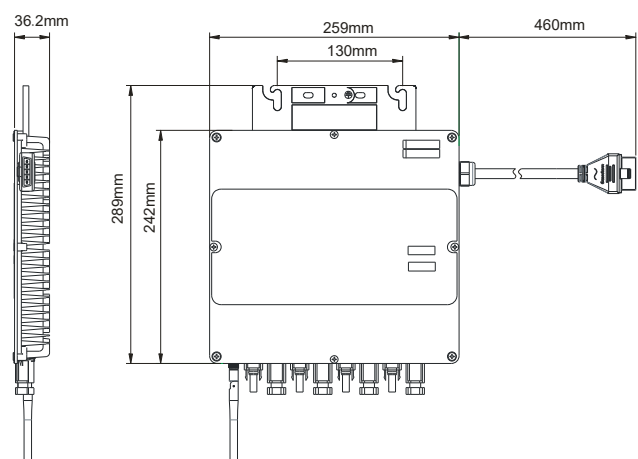
## World's first true 3-phase microinverter – only from APsystems

### WIRING SCHEMATIC



The YC1000 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 230/400 with 900 watts maximum output, ZigBee communication and an integrated ground. Each YC1000 supports up to 4 solar modules.

### DIMENSIONS



*(For South Africa)*

# APsystems YC1000-3 Microinverter Datasheet

<b>Region</b>	South Africa
<b>Model</b>	YC1000-3-ZA
<b>Input Data (DC)</b>	
MPPT Voltage Range	16V-55V
Operation Voltage Range	16V-55V
Maximum Input Voltage	60V
Startup Voltage	22V
Maximum Input Current	14.8A×4
<b>Output Data (AC)</b>	
3-Phase Grid Type	230V/400V
Maximum Continuous Output Power	900W
Peak Output Power	1000W
Nominal Output Current	1.30A×3
Nominal Output Voltage	230V×3
Default Output Voltage Range	195.5V-253V*
Extended Output Voltage Range	149V-278V
Nominal Output Frequency	50Hz
Default Output Frequency Range	47.5Hz-52Hz*
Extended Output Frequency Range	45.1Hz-54.9 Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
<b>Efficiency</b>	
Peak Efficiency	95%
CEC Weighted Efficiency	94.5%
Nominal MPPT Efficiency	99.9%
Night Power Consumption	300mW
<b>Mechanical Data</b>	
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	3.8kg
Enclosure Rating	IP67
Cooling	Natural Convection - No Fans
<b>Features &amp; Compliance</b>	
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	NRS 097-2-1
Transformer Design	High Frequency Transformers, Galvanically Isolated
Automatic Disconnect	Auto Disconnection Device Integrated

\* Programmable through ECU in field to meet customer need.

© All Rights Reserved

Specifications subject to change without notice - please ensure you are using the most recent update found at [www.APsystems.com](http://www.APsystems.com)

Rue des Monts dor ZAC de Follieuses Sud-Les Echets 01700 Miribel, France | +33-481 65 60 40 | [APsystems.com](http://APsystems.com) |