

# YC1000-3-220

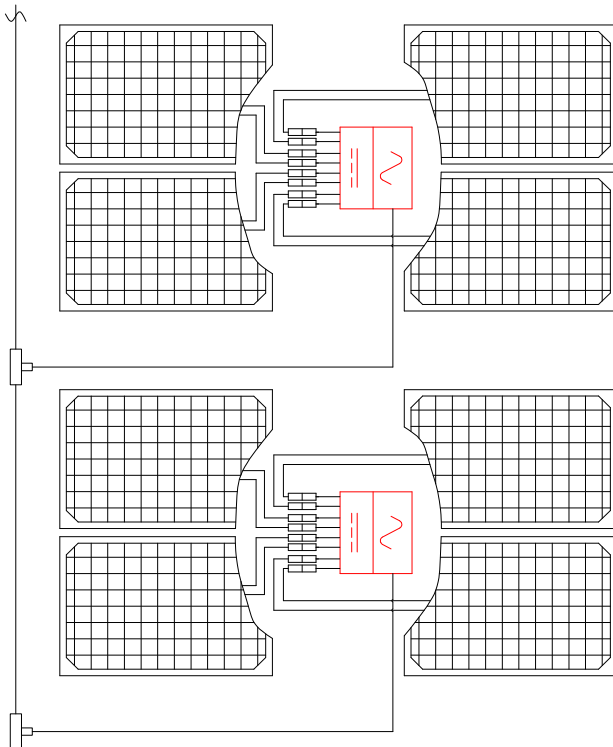
## 3-Phase Microinverter

- Single unit connects up to four modules
- 900W AC output
- True 3-phase output
- ZigBee wireless communication and monitoring
- Up to 24 solar modules (60 or 72-cell) can be linked in a single 20A\*

\*Please see YC1000 user manual on specifications for 127/220VAC.

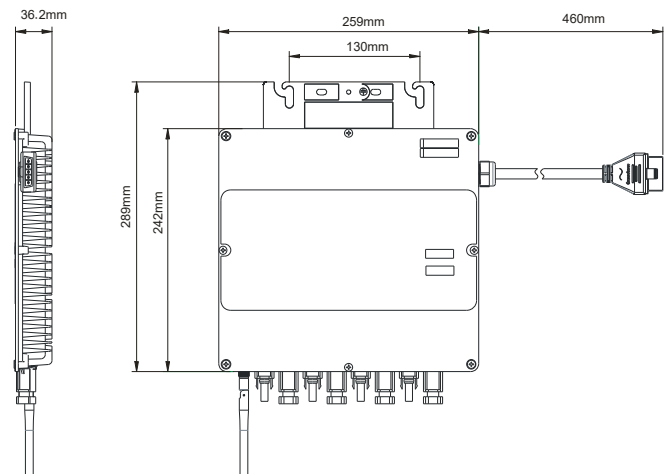
## World's first true 3-phase microinverter – only from APsystems

### WIRING SCHEMATIC



The YC1000 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 127V/220V with 900 watts maximum output, ZigBee communication and an integrated ground. Each YC1000 supports up to 4 solar modules.

### DIMENSIONS



*(For Brazil)*

# YC1000-3-220 3-Phase Microinverter Datasheet

<b>Region</b>	Brazil
<b>Model</b>	YC1000-3-220
<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	127V/220V
Maximum Continuous Output Power	900W
Peak Output Power	1000W
Nominal Output Current	2.36A×3
Nominal Output Voltage	127V×3
Default Output Voltage Range	101.6V-139.7V*
Extended Output Voltage Range	82V-152V
Nominal Output Frequency	60Hz
Default Output Frequency Range	57.5Hz-62Hz*
Extended Output Frequency Range	55.1Hz-64.9Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch	6 for 20A×3 Breaker**
<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
Compliance	ABNT NBR 16149:2013, ABNT NBR 16150:2013 and ABNT NBR IEC 62116: 2012
Transformer Design	High Frequency Transformers, Galvanically Isolated

\* 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](http://www.APsystems.com)