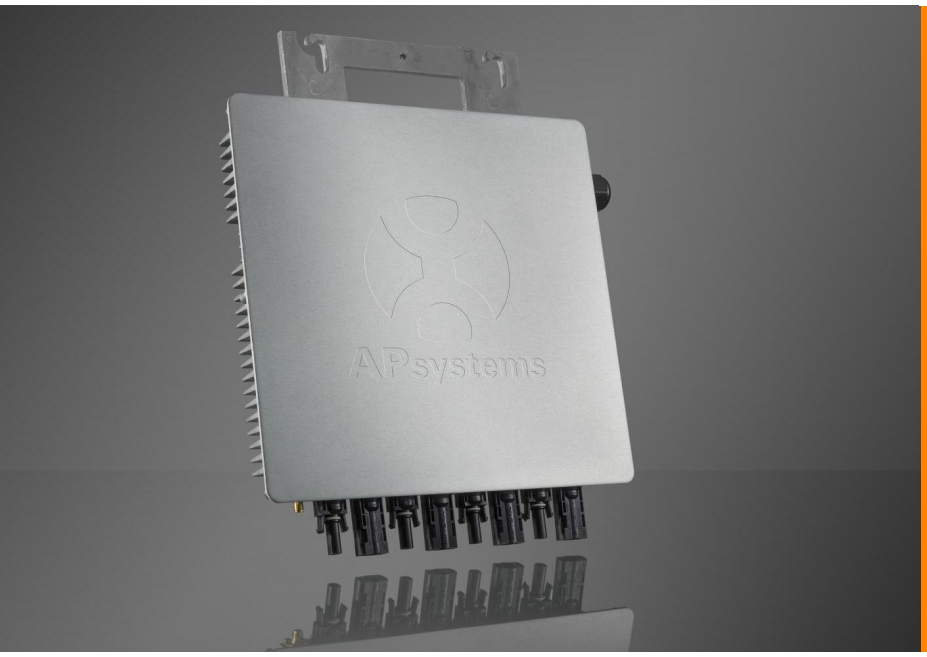
APsystems

Leading the Industry in
Solar Microinverter Technology



YC1000-3-220

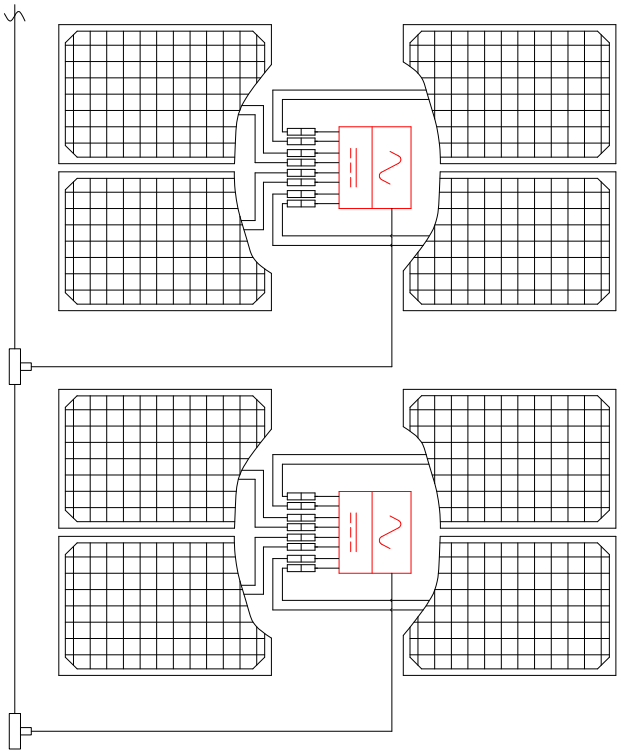
3-Phase Microinverter

- Single unit connects up to four modules
- Maximum 1130W AC output
- True 3-phase output
- ZigBee wireless communication and monitoring
- Up to 24 solar modules (60 or 72-cell) can be linked in a single 20A*

*Please see YC1000 user manual on specifi cs for127/220VAC.

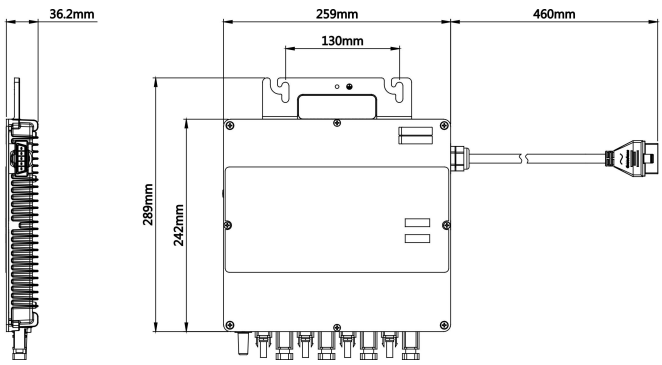
World's first true 3-phase microinverter – only from APsystems

WIRING SCHEMATIC



The YC1000 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 127V/220V with 1130 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

Region	Brazil
Model	YC1000-3-220
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	127V/220V
Rated Output Power	900W
Maximum Output Power	1130W
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**
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
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.

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

AV. Lazaro Cardenas 2850-5º Piso, Colonia Jardines del Bosque C.P. 44520, Guadalajara, Jalisco | 52 (33) 3188 4604| **APsystems.com**