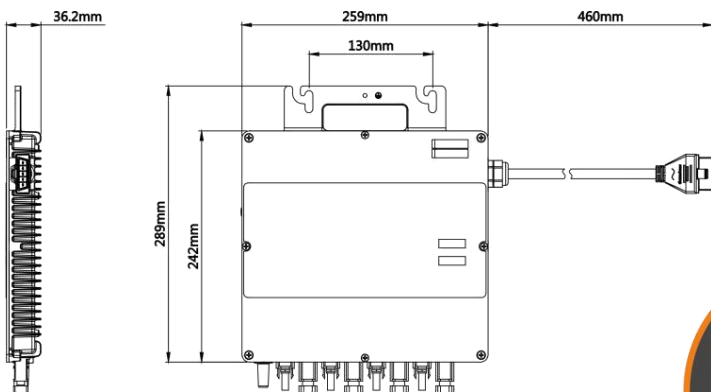


YC1000-3

- Single unit connects up to four modules
- Maximum 1130W AC output
- True 3-phase output
- Wireless communication and monitoring

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

DIMENSIONS



The YC1000-3 is the industry's first true 3-phase solar microinverter, handling commercial grid voltages of 127V/220V, 220V/380V with 1130 watts maximum output, Wireless communication and an integrated ground. Each YC1000-3 supports up to 4 solar modules.



YC1000-3 3-Phase Microinverter Datasheet

Region

Brazil

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 x 4

Output Data (AC)

	127V/220V	220V/380V
3-Phase Grid Type	127V/220V	220V/380V
Peak Output Power	900W	900W
Maximum Output Power	1130W	1130W
Maximum Output Current	2.97A x 3	1.36A x 3
Nominal Output Voltage/ Range	127V x 3/ 101.6V-139.7V*	220V x 3/ 176V-242V*
Adjustable Output Voltage Range	82V-152V	149V-278V
Nominal Output Frequency/ Range	60Hz/ 57.5Hz-62Hz*	60Hz/ 57.5Hz-62Hz*
Adjustable Output Frequency Range	55.1Hz-64.9Hz	55.1Hz-64.9Hz
Power Factor	>0.99	>0.99
Total Harmonic Distortion	<3%	<3%
Maximum Units per Branch	5units per 20A x 3 AC breaker/ 7units per 25A x 3 AC breaker**	9units per 20A x 3 AC breaker/ 11units per 25A x 3 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°F to +149°F (-40°C to +65°C)
Storage Temperature Range	-40°F to +185°F (-40°C to +85°C)
Dimensions (W x H x D)	10.2" x 9.5" x 1.4" (259mm x 242mm x 36mm)
AC BUS Maximum Current	20A (2.5mm ²)
Weight	7.7lbs (3.5kg)
Enclosure Rating	IP67
Cooling	Natural Convection - No Fans

Features & Compliance

Communication	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Compliance	ABNT NBR 16149:2013; ABNT NBR 16150:2013; ABNT NBR IEC 62116: 2012

* 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 latam.APsystems.com

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