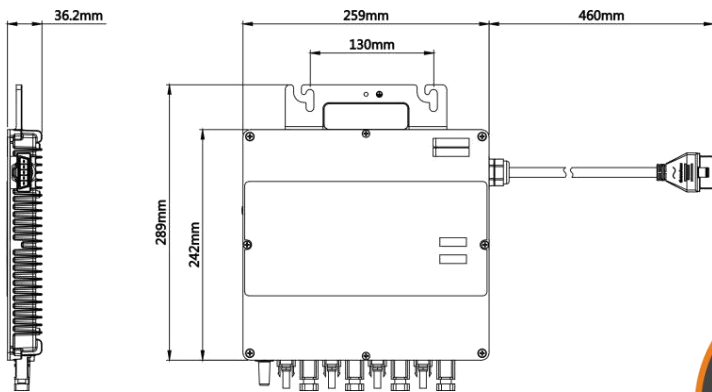


YC1000-3

- 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 120V/208V, 277V/480V 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

LATAM

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)

	120V/208V	277V/480V
3-Phase Grid Type	120V/208V	277V/480V
Peak Output Power	900W	900W
Maximum Output Power	1130W	1130W
Maximum Output Current	3.14A x 3	1.35A x 3
Nominal Output Voltage/ Range	120V x 3/ 105.6V-132V*	277V x 3/ 243.8V-304.7V*
Adjustable Output Voltage Range	82V-152V	190V-350V
Nominal Output Frequency/ Range	60Hz/ 59.3Hz-60.5Hz*	60Hz/ 59.3Hz-60.5Hz*
Adjustable Output Frequency Range	55.1Hz-64.9 Hz	55.1Hz-64.9 Hz
Power Factor	>0.99	>0.99
Total Harmonic Distortion	<3%	<3%
Maximum Units per Branch	4units per 15A x 3 AC breaker/ 5units per 20A x 3 AC breaker**	9units per 15A x 3 AC breaker/ 12units per 20A 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 (14AWG)
Weight	7.7lbs (3.5kg)
Enclosure Rating	NEMA 6
Cooling	Natural Convection - No Fans

Features & Compliance

Communication	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Compliance	UL1741 (IEEE1547); FCC Part15; CSA C22.2 No. 107.1; ICES-003; NOM-001

* 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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