The YC1000 is the industry’s first true 3-phase (phase balanced & phase monitored) solar microinverter, handling commercial grid voltages of 120Y/208V or 277Y/480V with 900 watts AC maximum output, ZigBee communication and an integrated ground. Each YC1000 supports up to 4 PV modules.
INPUT DATA (DC)

- MPPT Voltage Range: 16-55V
- Maximum Input Voltage: 60V
- Maximum Input Current: 14.8A x 4
- Startup Voltage: 22V

OUTPUT DATA (AC)

- Maximum Output Power: 900W
- 3-Phase Grid Type: 277Y/480V, 120Y/208V
- Nominal Output Current: 1.08Ax3, 2.50Ax3
- Nominal Output Voltage: 277Yx3, 120Yx3
- Nominal Output Frequency: 60Hz /59.3-60.5Hz, 60Hz /59.3-60.5Hz
- Power Factor: >0.99, >0.99
- Total Harmonic Distortion: <3%, <3%
- Maximum Units per Branch: 11 per 15Ax3-pole Breaker, 4 per 15Ax3-pole Breaker

EFFICIENCY

- Peak efficiency: 95%
- CEC Weighted Efficiency: 94.5%
- Nominal MPPT efficiency: 99.9%

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)
- Weight: 8.4lbs (3.8kg)
- Enclosure rating: NEMA 6
- Cooling: Natural Convection - No Fans

FEATURES

- Communication: ZigBee (wireless)
- Integrated Ground Fault Protection (GFP)
- Emissions & Immunity (EMC) Compliance: FCC Part 15; ANSI C63.4; ICES-003
- Safety & Grid Connection Compliance: IEEE1547, CSA C22.2 No. 107.1-01, NEC 2014 690.12, NEC 2017 690.12
- Warranty: 10 years standard, extendable to 25 years

* Programmable per customer and utility requirements.
** Meets the standard requirements for Distributed Energy Resources (UL 1743) and identified with the ETL Listed Mark.

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

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