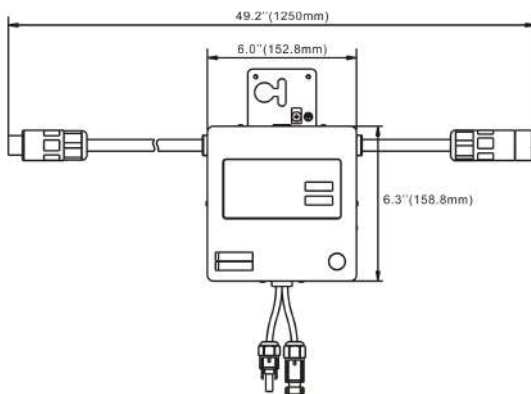


YC250A/I-NA

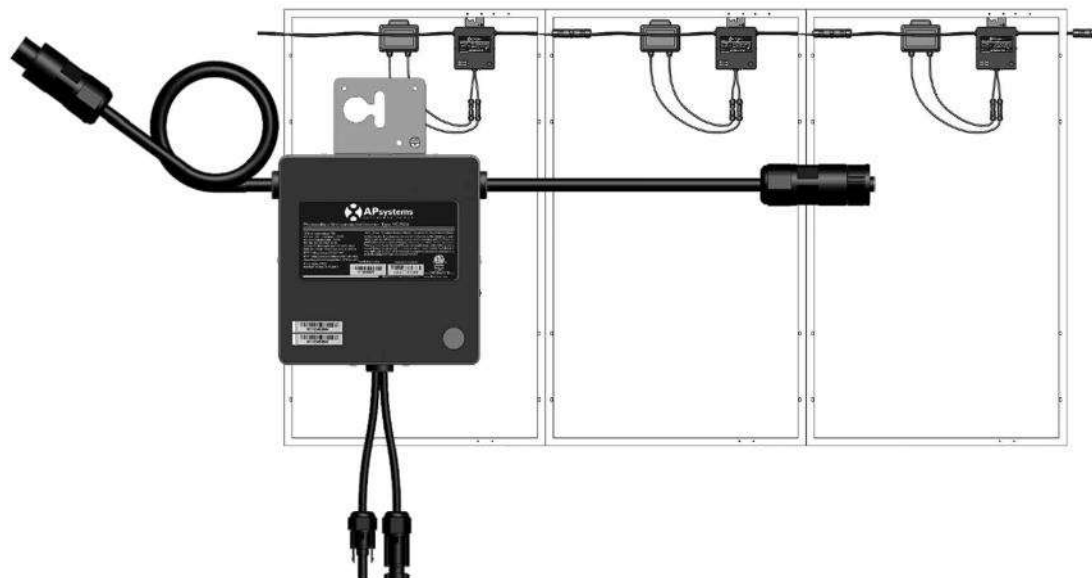
Microinverter

- Single unit connects one solar module
- Maximum output power 250W
- Individual MPPT for each module
- Rated up to 310W

DIMENSIONS



Our product, the APsystems YC250 is a grid-tied microinverter with intelligent networking and monitoring systems to ensure maximum efficiency. Highly dependable and cost effective, the YC250 handles up to 310W modules with negligible clipping, delivering 250W AC module with dual MPPT. Half the inverters and half the installation means real cost savings for residential and commercial customers.



APsystems YC250A/I-NA Microinverter Datasheet

Input Data (DC)

Recommended PV Module Power (STC)Range	180W-310W
MPPT Voltage Range	22V-45V
Operation Voltage Range	16V-52V
Maximum Input Voltage	55V
Startup Voltage	22V
Maximum Input Current	12A

Output Data (AC)

Nominal Output Voltage	240V*
Maximum Continuous Output Power	225W
Nominal Output Current	0.937A
Default Output Voltage Range	211V-264V**
Maximum Output Fault Current (peak)	41.6A
Maximum Output Fault Current (RMS)	2.63A
Maximum Output Fault Current Duration	1.615ms
Reactive Current	0.1A
Extended Output Voltage Range	181V-298V
Nominal Output Frequency	60Hz
Default Output Frequency Range	59.3Hz-60.5Hz**
Extended Output Frequency Range	55.1Hz -64.9Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch	17 for20A Breaker***

Efficiency

Peak Efficiency	95.5%
CEC Weighted Efficiency	95%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	120mW

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)	160mm × 150mm × 29mm (6.3" × 5.9" × 1.1")
Weight	3.3lbs/1.5kg
AC CABLE	12AWG
Enclosure Rating	NEMA 6
Cooling	Natural Convection

Features & Compliance

Communication	Power line
Design Lifetime	25yrs
Emissions & Immunity (EMC) Compliance	FCC Part15; ANSI C63.4;ICES-003
Monitoring	Life monitoring via EMA software
Safety Class Compliance	UL1741, CSA C22.2 No.107.1-01
Grid Connection Compliance	IEEE1547

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

*The default AC output is 240V mode. For 208V mode, please set the AC output range through ECU.

**Programmable through ECU to meet customer need.

***Depending on the local regulations.