

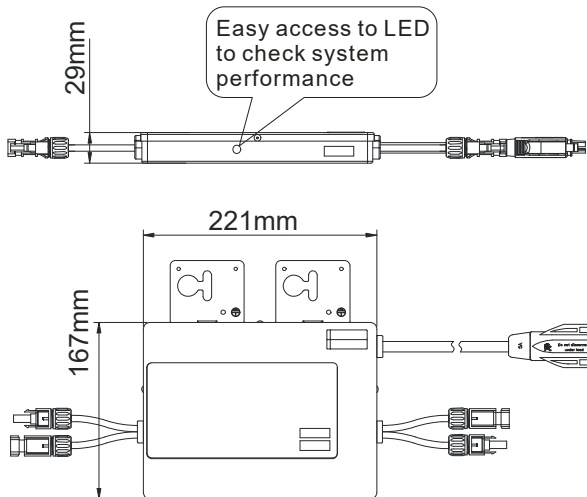


YC500I

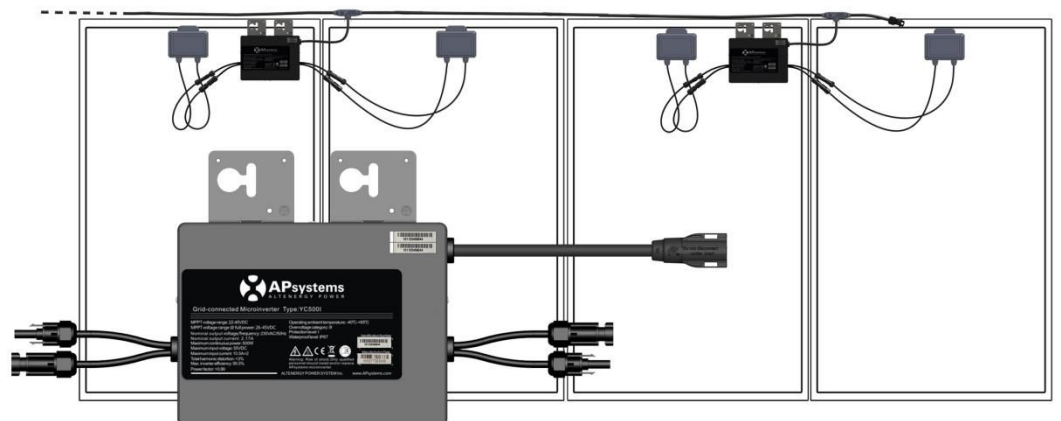
Microinverter

- Single unit connects two solar modules
- Individual MPPT for each module
- Maximum continuous output power 530W
- Auto disconnection device integrated

DIMENSIONS



Our flagship product, the APsystems YC500I is a grid-tied microinverter with intelligent networking and monitoring systems to ensure maximum efficiency. Highly dependable and cost effective, the YC500I delivers 250W AC per module with dual MPPT. Half the inverters and half the installation means real cost savings for residential and commercial customers.



YC500I Microinverter Datasheet

Region	France, Germany, Great Britain, Denmark, Sweden, Holland, Norway, Portugal, Ireland, etc.
Model	YC500I-EU, YC500I-UK, YC500I-FR, YC500i-VD

Input Data (DC)

Recommended PV Module Power (STC) Range	180Wp-310Wp / 60 and 72-cell PV modules
MPPT Voltage Range	22V-45V
Operation Voltage Range	16V-52V
Maximum Input Voltage	55V
Startup Voltage	22V
Maximum Input Current	10.5Ax 2

Output Data (AC)

Maximum Output Power	530W
Nominal Output Voltage	230V
Nominal Output Current	2.30A
Nominal Output Frequency	50Hz
Power Factor	>0.99
Total Harmonic Distortion	<3%
Maximum Units per Branch	7 for 20A Breaker*

Efficiency

Max. Inverter Efficiency	95.5%
Night Power Consumption	120mW

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)	221mm X 167mm X 29mm
Weight	2.5kg
AC Bus Maximum Current	20A
Connector type	MC-4 Type or Customize
Enclosure Rating	IP67
Cooling	Natural Convection - No Fans

Features & Compliance

Communication (Inverter To ECU)	Power Line Communication
Monitoring	Via EMA **Software
Transformer Design	High Frequency Transformers, Galvanically Isolated
Safety and EMC Compliance	EN 62109-1; EN 62109-2; EN61000-6-1; EN61000-6-2; EN61000-6-3; EN61000-6-4;
Grid Connection Compliance	EN50438; VDE 126-1; G83-2; VDE ARN 4105;
Automatic Disconnect	Auto Disconnection Device Integrated

*Depending on the local regulations.

**Energy Management Analysis.

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

Rue des Monts dor ZAC de Follieuses Sud-Les Echets 01700 Miribel, France | +33-481 65 60 40 | APsystems.com | emea@APsystems.com