

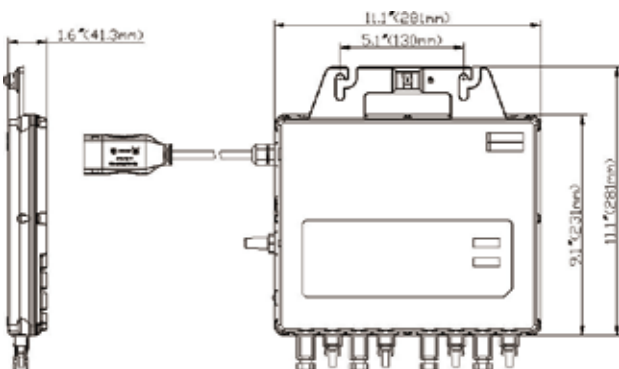


QS1200

Microinverter

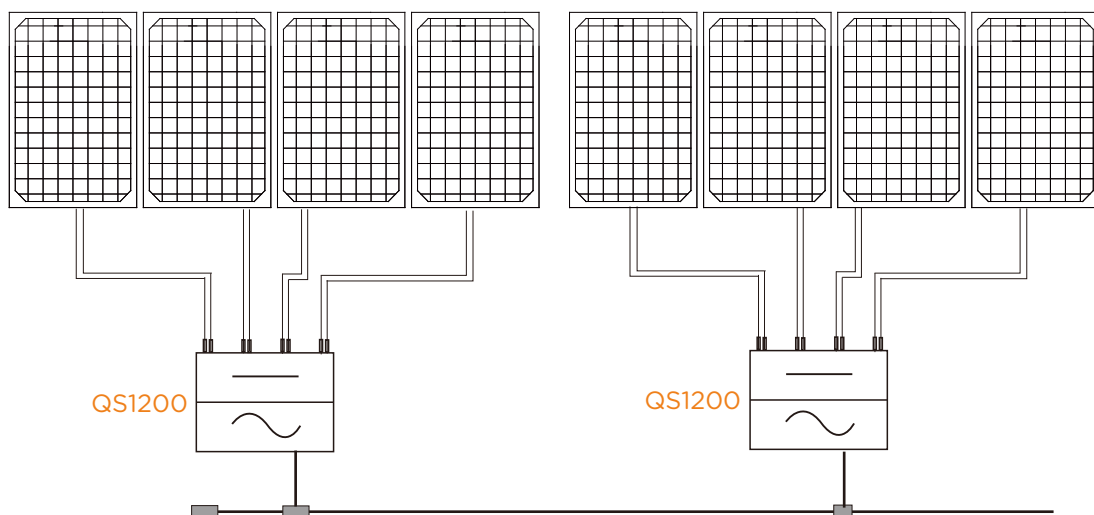
- Single unit connects up to four solar modules
- 4 input channels with independent MPPT and monitoring function
- Maximum continuous output power up to 1200W

DIMENSIONS



The APsystems QS1200 is a grid-tied microinverter with intelligent networking and advanced monitoring systems to ensure maximum efficiency. High efficiency, high reliability of the QS1200 with 4 independent MPPT inputs, Maximum AC output power reaching 1200W. Quarter the inverters and quarter the installation means real cost savings for residential and commercial customers.

WIRING SCHEMATIC



QS1200 Microinverter Datasheet

Input Data (DC)

Recommended modules power range	250Wp-375Wp
MPPT Voltage Range	22V-48V
Operation Voltage Range	16V-55V
Maximum Input Voltage	60V
Startup Voltage	20V
Maximum DC Input Current	12A×4

Output Data (AC)

Maximum Continuous Output Power	1200W
Nominal Output Voltage / Range	220V / 187V-270V*
Adjustable Output Voltage Range	149V-278V
Nominal Output Current	5.45A
Nominal Output Frequency / Range	50Hz / 47.5Hz - 50.5Hz*
Adjustable Output Frequency Range	45.1Hz - 54.9Hz
Maximum Units per Branch (20A)	3 units**
Total Harmonic Distortion	<3%

Efficiency

Peak Efficiency	96.5%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	30mW

Mechanical Data

Operating Ambient Temperature Range	-40°C to +65°C (-40°F to +149°F)
Storage Temperature Range	-40°C to +85°C (-40°F to +185°F)
Dimensions (W x H x D)	281mm × 231mm × 41.3mm (11.1" × 9.1" × 1.6")
Weight	4.5kg (9.9lbs)
AC BUS Maximum Current	20A
Enclosure Environmental Rating	Outdoor - IP67
Cooling	Natural Convection - No Fans

Features & Compliance

Communication (Inverter To ECU)	Wireless
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA***Online Portal

Compliance

EN 62109-1:2010; EN 62109-2:2011; EN 61000-6-3:2007+A1:2011;
 EN 61000-6-4:2007+A1:2011; EN 61000-6-2:2005; EN 61000-6-1:2007;
 EN 61000-3-2:2014; EN 61000-3-3:2013; VDE0126-1-1/A1 VFR2014;
 ERDF-NOI-RES_13E; UTE C15-712-1; EN50438; UL1741;
 CSA C22.2 No.107.1-01; FCC Part15; ANSI C63.4; ICES-003; IEEE1547;
 ABNT NBR 16149:2013; ABNT NBR 16150:2013; IEC 61727; NB/T32004:2013

* Programmable through ECU in field to meet customer need.

** Can be regulated depending on the local regulations.

***APsystems online Energy Management Analysis (EMA) platform.

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

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