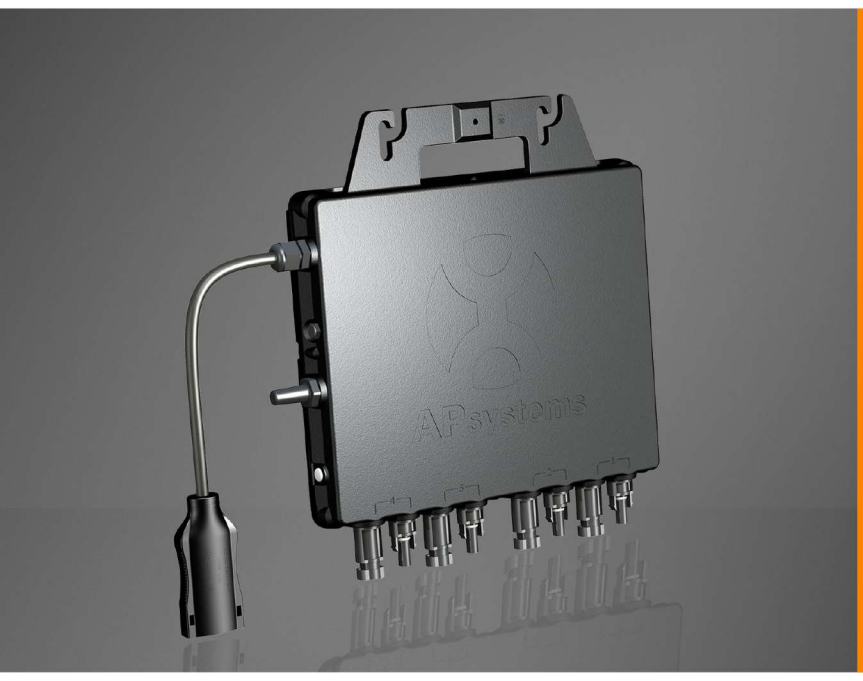
APsystems
ALTENERGY POWER

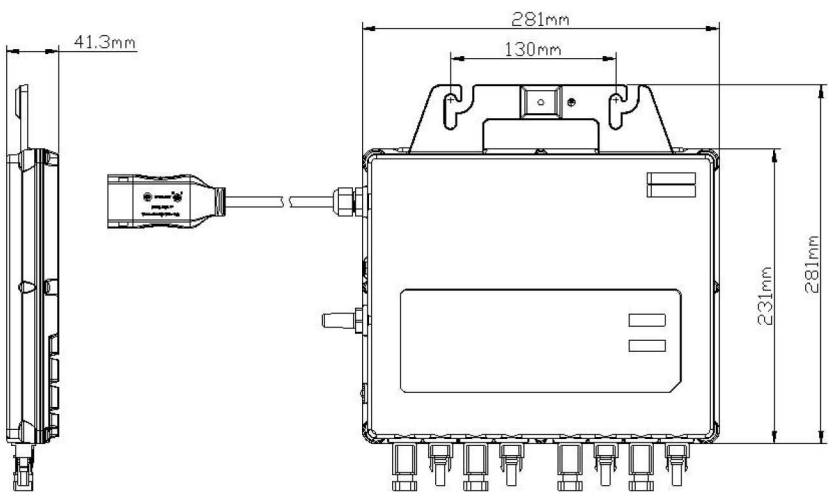
Leading the Industry in
Solar **Microinverter** Technology



# 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
- Auto disconnection device integrated

## DIMENSIONS




Our flagship new range of Grid-tied microinverters with Reactive Power Control (RPC) features includes the new QS1200. 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. Half the inverters and half the installation means real cost savings for residential and commercial customers.

## QS1200 Microinverter Datasheet

| Region | EMEA |
|---|---|
| **Model** | **QS1200** |
| **Input Data (DC)** | |
| Recommended PV Module Power (STC) | 250Wp-375Wp |
| MPPT Voltage Range | 22V-48V |
| Operation Voltage Range | 16V-55V |
| Maximum Input Voltage | 60V |
| Startup Voltage | 20V |
| Maximum Input Current | 12A×4 |
| Maximum DC short circuit current | 15A×4 |
| **Output Data (AC)** | |
| Maximum Continuous Output Power | 1200W |
| Nominal Output Voltage | 230V |
| Nominal Output Current | 5.22A |
| Adjustable Output Voltage Range | 160V-278V |
| Nominal Output Frequency | 50Hz |
| Adjustable Output Frequency Range | 45.1Hz-54.9Hz |
| Power Factor | >0.99 |
| 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 |
| Storage Temperature Range | -40°C to +85°C |
| Dimensions (W x H x D) | 281mm × 231mm × 41.3mm |
| Weight | 4.5kg |
| AC BUS Maximum Current | 20A |
| Enclosure Rating | IP67 |
| Cooling | Natural Convection - No Fans |
| **Features & Compliance** | |
| Communication | Wireless |
| Transformer Design | High Frequency Transformers, Galvanically Isolated |
| Monitoring | Via EMA* Online Portal |
| Warranty | 10 Years Standard ; 20Years Optional |
| **Certificate&Compliance** | |
| Safety And EMC Compliance | EN 62109-1;EN 62109-2;EN 61000-6-1;EN 61000-6-2; EN 61000-6-3;EN 61000-6-4 |
| Grid Connection Compliance | VDE0126-1-1/A1 VFR2014,ERDF-NOI-RES_13E,UTE C15-712-1, EN50438 |

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