

Solar just got simpler.

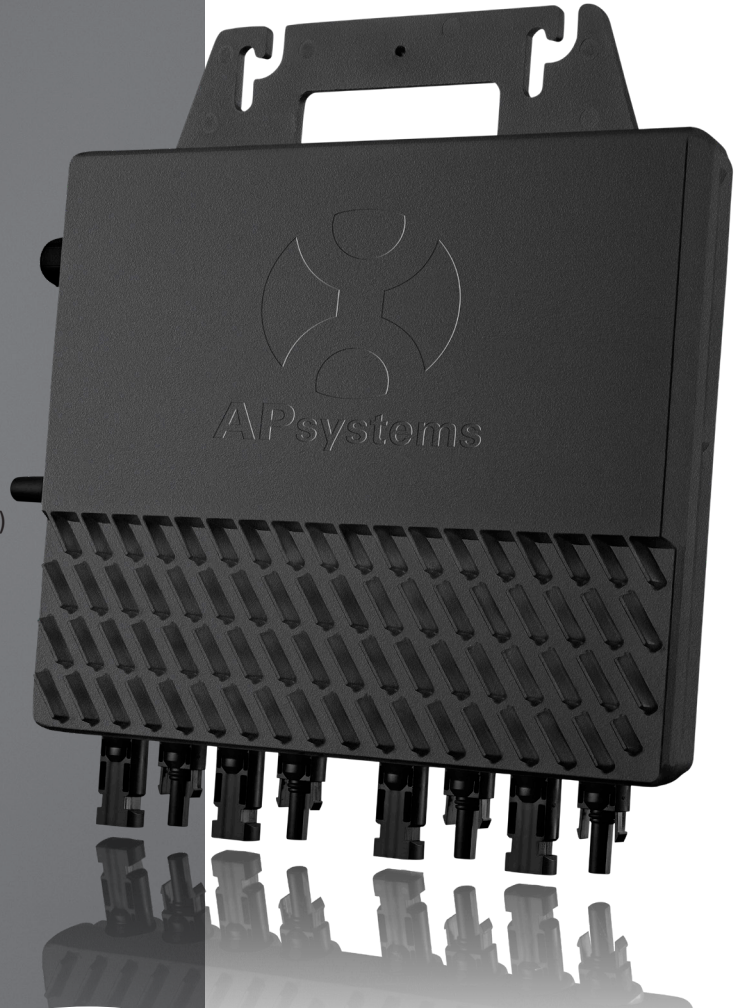
4X the microinverter.

- ✓ 4-module microinverter with independent MPPT per panel
- ✓ 75% faster installation than conventional microinverters
- ✓ Highest peak power output of 300W per channel
- ✓ Wider MPPT voltage range for greater energy harvest
- ✓ Accommodates PV modules up to 375W
- ✓ 2.4GHz Zigbee mesh network (3X faster than PLC)
- ✓ Common AC trunk cable w/ YC600; flexible mix-and-match compatibility
- ☐ Learn more: usa.apsystems.com/QS1

The QS1 connects to up to 4 PV modules up to 375W each



QS1



APsystems
ALTENERGY POWER

POWERFUL
INNOVATION

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APsystems QS1 Microinverter Datasheet

INPUT DATA (DC)

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	1,200W
Nominal Output Voltage/Range	240V/211V-264V
Nominal Output Current	5A
Nominal Output Frequency/Range	60Hz/59.3Hz-60.5Hz
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°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)	11.1" x 9.1" x 1.6"(281mm x 231mm x 41.3mm)
Weight	9.9lbs(4.5kg)
AC Trunk Cable Maximum Current	20A
Enclosure Rating	Nema 6
Cooling	Natural Convection - No Fans

FEATURES

Communication	Wireless (Zigbee)
Transformer Design	High Frequency Transformers, Galvanically Isolated
Monitoring	Via EMA* Online Portal
Warranty	10 years standard, extendable to 25 years

CERTIFICATE & COMPLIANCE

Safety And EMC Compliance	CSA C22.2 No.107.1-01; FCC Part15; ANSI C63.4;ICES-003
Grid Connection Compliance	IEEE1547

Meets the standard requirements for Distributed Energy Resources (UL 1741) 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