

## QS1A Quad Module Micro Inverter by APSystems



CAD \$499.00[[200,200,200]][14]

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**SKU:** APS-QS1A

**Product Categories:** [Micro Inverters](#), [Inverters](#), [Shop](#)

**Product Tags:** [4 module](#), [apsystems qs1](#), [apsystems qs1 canada](#), [apsystems qs1a qs1a canada](#), [canada](#), [micro inverter](#), [qs1](#), [qs1 canada](#), [qs1a](#), [quad](#), [quad micro inverter](#)

**Product Page:**

<https://www.modernoutpost.com/product/qs1a-quad-module-micro-inverter-by-apsystems/>

### Product Summary

The latest edition of the popular QS1 quad micro inverter from APsystems. The QS1A has been re-engineered to accommodate today's higher power solar modules

in the 400W range. Still featuring 4 independent MPPT input channels, the QS1A will speed your installation, and minimize your hardware costs. A high efficiency, high reliability solution for grid-tied solar installations.

## Product Description

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### APSystems QS1A Features

Single unit connects up to four solar modules

4 input channels with independent MPPT and monitoring function

Maximum continuous output power up to 1500W

UL 1741 compliant

Accommodates 60 & 72-cell PV modules up to 440W

\*PLEASE NOTE QS1A IS NOT CERTIFIED FOR USA (not CEC listed; not CA Rule 21/IEEEE2030.5)

Quad microinverter with independent MPPT

300% faster installation than conventional microinverters

Highest peak power output of 375W per channel

Ideal module match is 380W to 440W

Wider MPPT voltage range for greater energy harvest

Accommodates PV panels up to 375W

2.4GHz ZigBee mesh network (3X faster than PLC)

Common AC trunk cable w/ YC600; flexible, mix-and-match compatibility

Download The Datasheet

### **The APsystems microinverter is smarter.**

APSystems microinverter technology individually monitors and maximizes power generation for each module in the array, boosting system efficiency by up to 20 percent. Each APsystems microinverter handles multiple PV modules, lowering logistics, installation and balance-of-system costs.

All APsystems microinverters are engineered to inherently comply with 2014/2017 NEC 690.12 requirements for Rapid Shutdown out of the box, ensuring safety of system installers and emergency responders. [Click here](#) to see the NEC 2014/2017 code compliance document and the APsystems Rapid Shutdown flier for more details.

QS1A Specifications in Brief

#### **INPUT DATA (DC) PER CHANNEL**

Module Compatibility : 60 + 72 Cell PV Modules

MPPT Voltage Range : 30V-52V

Operation Voltage Range : 16V-55V

Maximum Input Voltage 60V

Startup Voltage 20V Maximum

Input Current 13.3A Maximum

DC short circuit current 15A

Recommended Max PV Module Input Power : 440W

#### **OUTPUT DATA (AC)**

Maximum Continuous Output Power : 1,500W

Nominal Output Voltage/Range : 240V : 211V-264V

Nominal Output Current : 6.25A

Nominal Output Frequency/Range : 60Hz/59.3Hz-60.5Hz

Power Factor >0.99 Total Harmonic Distortion <3%

Maximum units per branch 2 (8 PV modules)

### **EFFICIENCY**

Peak Efficiency 96.5%

Nominal MPPT Efficiency 99.5%

### **MECHANICAL DATA**

Operating Ambient Temperature Range -40°F to +149°F(-40°C to +65°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)

Monitoring Via EMA\* Online Portal

Certification : UL1741 (IEEE1547); CSA C22.2 No. 107.1;

Warranty 10 years standard, extendable to 25 years

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[Download the Installation Manual](#)

### Product Attributes

- Dimensions: 1 &times; 1 &times; 1 cm
- Weight: 1.4 kg