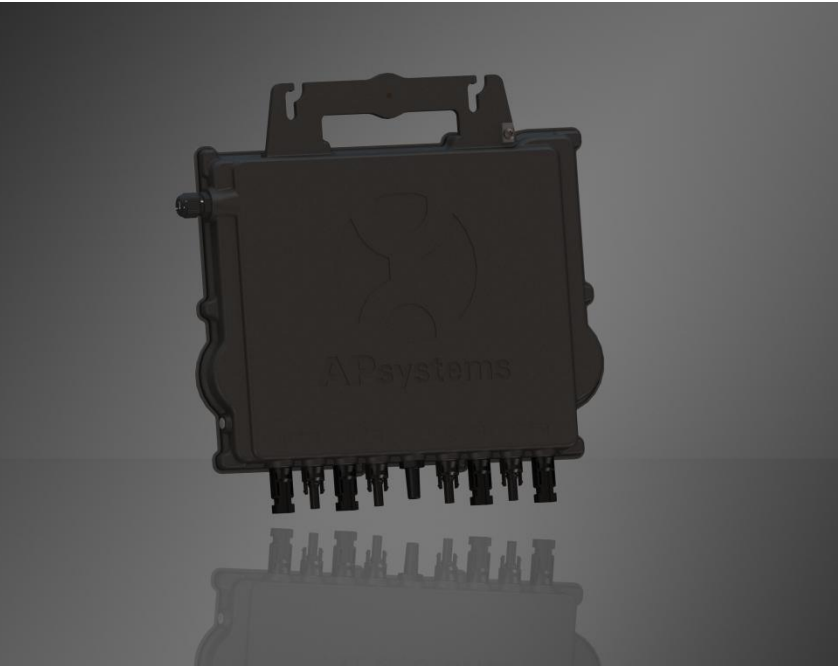


Leading the Industry in Solar Microinverter Technology



QT2

- Designed for 3-phase grid connection
- 4 input channels with module level DC voltage
- Single unit connects to four modules
- Continuous maximum AC output 2000VA
- Safety protection relay integrated
- Adjustable output power factor
- Balancing 3 phase output

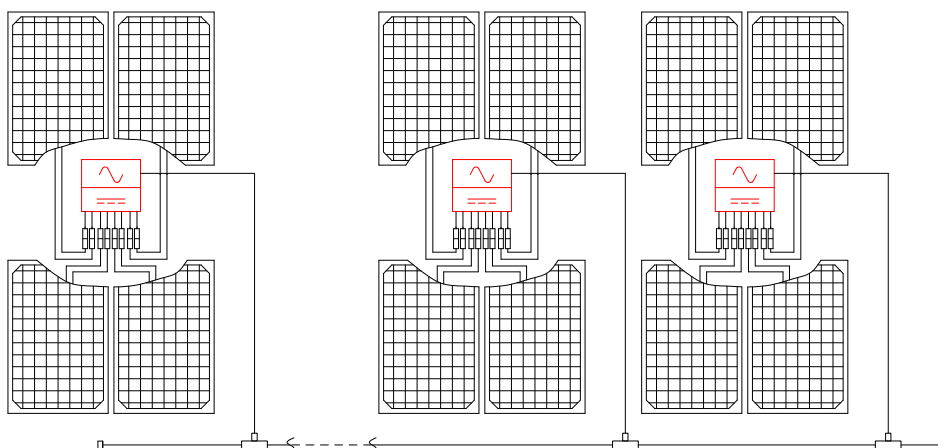
PRODUCT FEATURES

Apsystems 2nd generation of balancing 3-phase output microinverters are reaching unprecedented power outputs of 2000VA to adapt to today's larger power module. With balancing 3-phase output, 2 independent MPPT, encrypted Zigbee signals, the QT2 benefit from an entirely new architecture.

The innovative and compact design make the product lighter while maximizing power production. The components are encapsulated with silicone to reduce stress on the electronics, facilitate thermal dissipation, enhance waterproof properties and ensure maximum reliability of the system via rigorous testing methods including accelerated life testing. A 24/7 energy access through apps or web based portal facilitate remote diagnosis and maintenance.

The new QT2 is interactive with power grids through a feature referred to as RPC (Reactive Power Control) to better manage photovoltaic power spikes in the grid. With a performance and an efficiency of 97%, a unique integration with 20% less components, Apsystems QT2 is a game changer to residential and commercial PV.

WIRING SCHEMATIC



QT2 3-Phase Microinverter Datasheet

Region

EMEA

Input Data (DC)

Recommended PV Module Power (STC) Range	315Wp-670Wp+
Peak Power Tracking Voltage	32V-55V
Operating Voltage Range	26V-60V
Maximum Input Voltage	60V
Startup Voltage	22V
Maximum Input Current	20A x 4

Output Data (AC)

Maximum Continuous Output Power	2000VA
Nominal Output Voltage/Range*	400V/319V-438V
Adjustable Output Voltage Range	277V-478V
Nominal Output Current	2.9Ax3
Nominal Output Frequency/ Range*	50Hz/48-51Hz
Adjustable Output Frequency Range	45Hz-55Hz
Maximum Units per 20A Branch**	7

Efficiency

Peak Efficiency	97%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	60mW

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)	355mm X 234mm X 58mm
Weight	5kg
AC Bus Cable	2.5mm ²
DC Connector Type	MC4
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	IP67

Features

Communication (Inverter To ECU)	Encrypted ZigBee
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management	Energy Management Analysis (EMA) system
Warranty***	10 Years Standard ; 20 Years Optional

Compliances

Safety, EMC & Grid Compliances	EN 62109-1; EN 62109-2; EN 61000-6-1; EN 61000-6-3; UNE217002,UNE206007-1,RD647,RD1699,RD413; CEI 0-21; VDE0126-1-1,VFR2019,UTE C15-712-1,ERDF-NOI-RES_13E; EN 50549-1; VDE-AR-N 4105
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*Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

**Limits may vary. Refer to local requirements to define the number of microinverters per branch in your area.

*** To be eligible for the warranty, APsystems microinverters need to be monitored via the EMA portal. Please refer to our warranty T&Cs available on emea.APsistemas.com



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