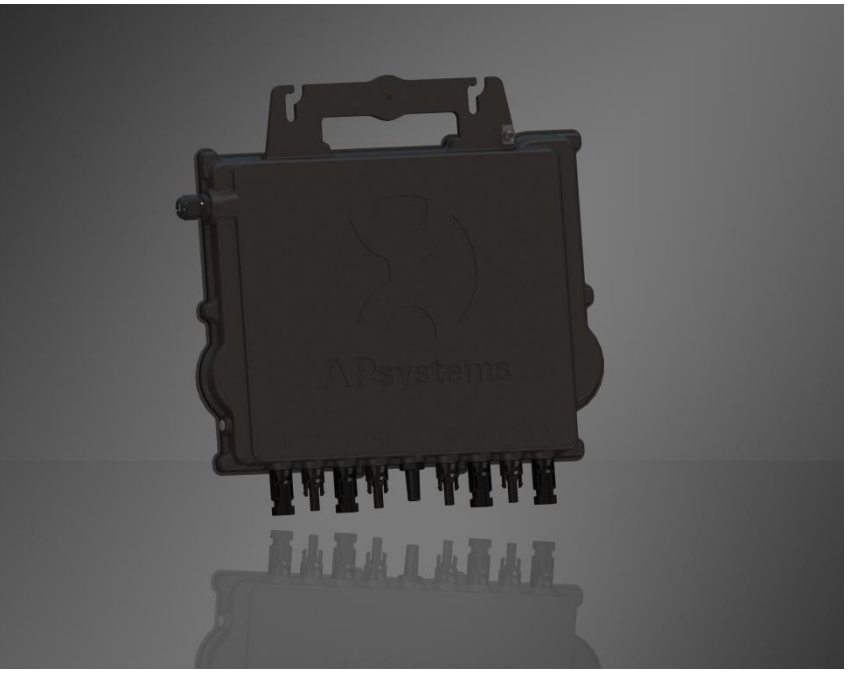
APsystems

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

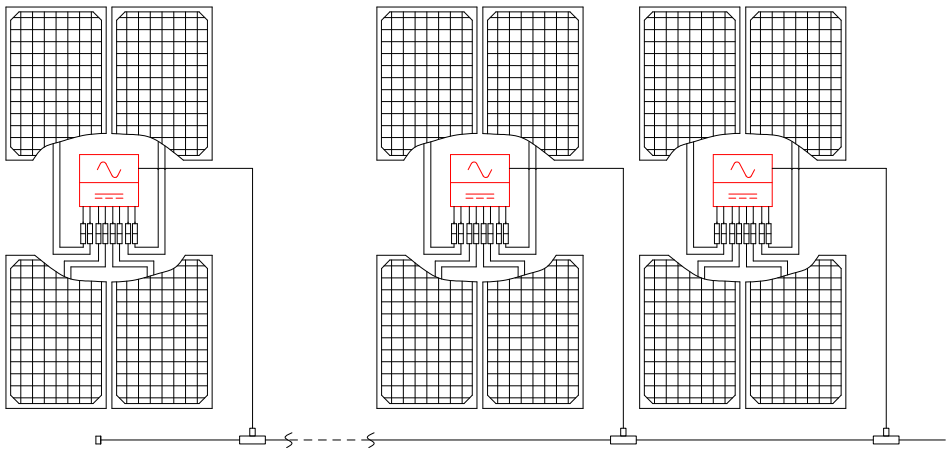
PRODUCT FEATURES

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 re-duce stress on the electronics, facilitate thermal dissipation, enhance waterproof properties and ensure maximum reliability of the system via rigorous testing methods including acelerated 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



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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	2.5mm²
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

*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.APsystems.com

CE

Specifications subject to change without notice please ensure you are using the most recent update found at web : emea.APsystems.com

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