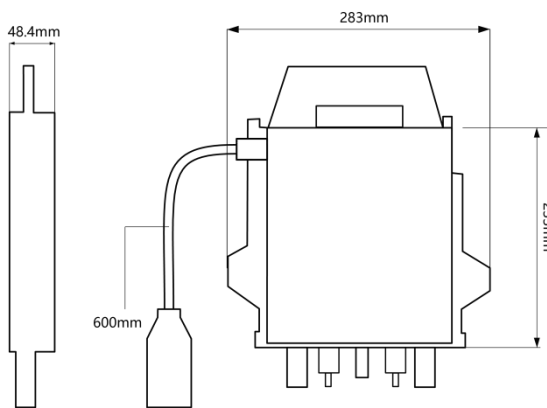


DS3D

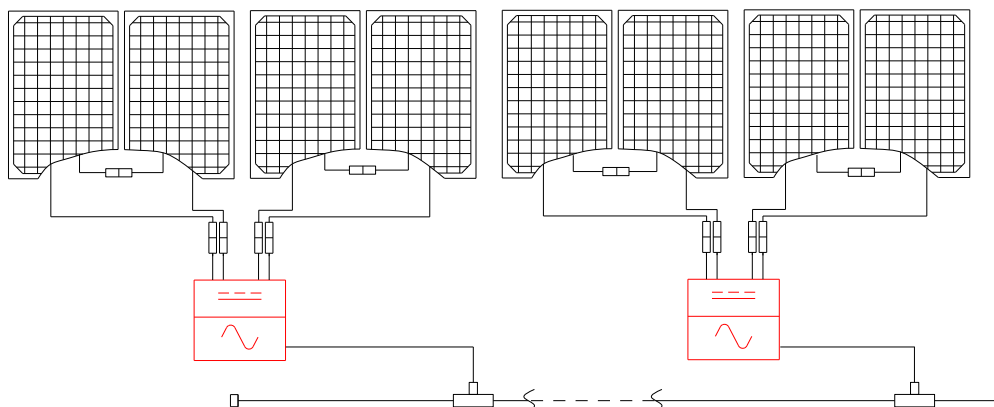
- 2 input channels with independent MPPT and monitoring function
- Single unit connects to four modules
- Maximum continuous output power up to 2000W
- Safety protection relay integrated
- Arc fault protection function embedded.

DIMENSIONS



Our flagship new range of Grid-tied microinverters includes the new DS3D. The APsystems DS3D is a grid-tied microinverter with intelligent networking and advanced monitoring systems to ensure maximum efficiency. High efficiency, high reliability of the DS3D with 2 independent MPPT inputs, maximum continuous output power up to 2000W. Quarter the inverters and quarter the installation means real cost savings for residential and commercial customers.

WIRING SCHEMATIC



DS3D Microinverter Datasheet

Region

LATAM

Input Data (DC)

Recommended PV Module Power (STC) Range

315Wp-670Wp+

Peak Power Tracking Voltage

68V-110V

Operation Voltage Range

60V-120V

Maximum Input Voltage

120V

Maximum Input Current

20A x 2

Output Data (AC)

Maximum Continuous Output Power

2000W

Nominal Output Voltage/Range*

240V/ 211V-264V

Adjustable Output Voltage Range

170V-278V

Nominal Output Current

8.3A

Nominal Output Frequency/ Range*

60Hz/59.3Hz-60.5Hz

Adjustable Output Frequency Range

55Hz-65Hz

Maximum Units per Branch**

3

Efficiency

Peak Efficiency

97%

CEC Efficiency

96.7%

Nominal MPPT Efficiency

99.5%

Night Power Consumption

20mW

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" x 9" x 2" (283mm X 233mm X 48.4mm)

Weight

8.4lbs(3.8kg)

DC Connector Type

MC4

Cooling

Natural Convection - No Fans

Enclosure Environmental Rating

Type 6

Features

Communication (Inverter To ECU)

Encrypted ZigBee

Transformer Design

High Frequency Transformers, Galvanically Isolated

Energy Management

Energy Management Analysis (EMA) system

Certificate & Compliance

Compliance

UL1741 (IEEE1547);CSA C22.2 No. 107.1;NOM-001

*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.

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

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APsystems en Guadalajara:

AV. Lazaro Cardenas 2850-5o Piso, Colonia Jardines del Bosque C.P. 44520, Guadalajara, Jalisco

+52 (33) 3188 4604 | info.latam@apsystems.com