

DS3-M

Wi-Fi Version for DIY

- One microinverter connects to two modules
- Max output power reaching 799VA
- Two input channels with independent MPPT
- Maximum reliability, IP67
- Built in Wi-Fi
- Safety protection relay integrated
- Dedicated for DIY application

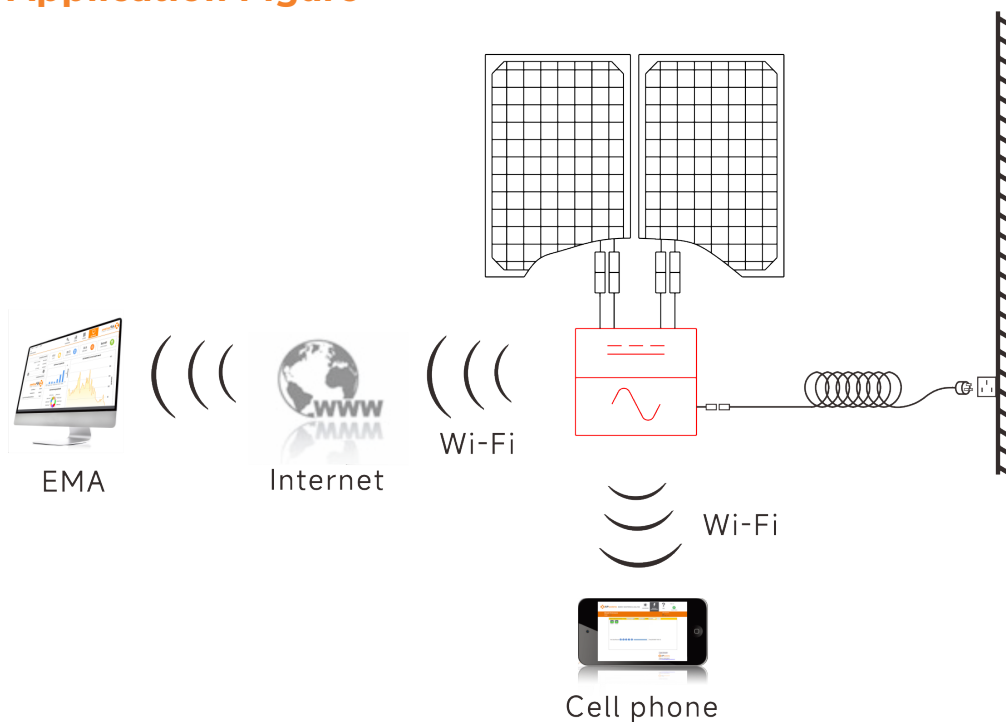
PRODUCT FEATURES

DS3-M is APsystems 3rd generation of dual microinverter, it is dedicated designed for DIY application, it has 2 input channels with independent MPPT and the maximum output power reaches 799VA to adapt to today's larger power module.

Benefit from built-in Wi-Fi, users could directly connect to DS3-M with the cell phones and get the real-time data of the solar systems. Besides direct connection, DS3-M could also connect to a router through Wi-Fi and send data to cloud servers for remote monitoring.

Through an AC extended cable provided by APsystems, DS3-M could be plugged into a socket and start output energy, truly easy and convenient grid connection.

DS3-M Application Figure



Datasheet | DS3 Microinverter Series

Model DS3-M

Region EMEA

Input Data (DC)

Recommended PV Module Power (STC) Range	300Wp-620Wp+
Peak Power Tracking Voltage	28V-45V
Operating Voltage Range	16V-60V
Maximum Input Voltage	60V
Maximum Input Current	20A x 2
Isc PV	25A x 2

Output Data (AC)

Maximum Continuous Output Power	799VA
Nominal Output Voltage/Range ⁽¹⁾	230V/184V-253V
Nominal Output Current	3.5A
Nominal Output Frequency/ Range ⁽¹⁾	50Hz/48Hz-51Hz
Default Power Factor	0.99

Efficiency

Peak Efficiency	97.3%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW

Mechanical Data

Operating Ambient Temperature Range ⁽²⁾	- 40 °C to + 65 °C
Storage Temperature Range	- 40 °C to + 85 °C
Dimensions (W x H x D)	263mm x 218mm x 41.2mm
Weight	2.7kg
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	IP67

Features

Communication	Built-in Wi-Fi
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management	APP or Energy Management Analysis (EMA) system
Warranty	12 Years Standard

Compliances

Safety, EMC & Grid Compliances	EN 62109-1/-2; EN 61000-6-1/-2/-3/-4; VDE-AR-N 4105
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(1) Nominal voltage/frequency range can be extended beyond nominal if required by the utility.
(2) The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.

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