

i-Manager

i-Manager is a data communication device for i-Energy Solar Energy Monitor System. This device monitors i-Energy micro inverters connected to the photovoltaic modules. The DDP collects energy and performance data from the PV micro inverter over in-home AC power lines and forwards that data to the i-Energy Solar EMS via the Internet for statistical reporting.



Product Features

- Designed in Switzerland
- EZ setup and Plug & Play design
- Fast & stable communicates over existing electrical wires
- Real-time insight into module performance
- Readily accessible on-site Hardware
- 24/7 web-based monitoring

 Designed in Switzerland

Communication Interface

Power Line	Narrowband PLC 7.5kbps
Ethernet	10/100BASE-T / IEEE 802.3™
Wi-Fi	IEEE Std. 802.11b™ 2.4 GHz / 11Mbps
DHCP Client Service	Yes

TECHNICAL DATA

AC Input Power Requirements

Min. Input	90(Vrms)
Max. Input	264 (Vrms)
Nominal Input	100-240(Vrms)
Min. Input Frequency	47(Hz)
Max. Input Frequency	62(Hz)
Nominal Input Frequency	50-60(Hz)
Input power (Max.)	6W

Mechanical Data

Outside Dimension (W x H x D)	20.2cm x 13.35cm x 5.03cm
Weight	360g +/-20g
Max. operation altitudes	Sea level 3000 m
Operating Temperature	-10°C to +40°C
Cooling	Natural convection – no fans
Enclosure Environment Rating	Indoor - NEMA 1

Display

Two Columns LCD Display with Backlight	Yes
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Safety and Standard

Compliance (Wi-Fi Module)	IEC 60950, FCC Part 15 Class B
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Reliability and Warranty

Warranty	1 year
Max. PV Inverter	72 pcs

