**i-Manager**

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

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### Communication Interface

| Power line       | Narrowband PLC 7.5kbps
|------------------|-----------------------------
| Ethernet         | 10/100BASE-T / IEEE 802.3™
| DHCP client service | Yes

### Mechanical Date

| Outside dimension (W x H x D) | 20.0cm x 13.4cm x 5.0cm
| Weight                        | 320g +/-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

### 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 |

### Display

| Two columns LCD display with backlight | Yes |

### Safety and Standard

| Compliance | IEC 60950, FCC Part 15 class B EN55022, EN55024, VCCI EN61000-3-2 EN61000-3-3 |

### Reliability and Warranty

| Warranty period | 1 year |
| Max. monitoring of i-Micro inverter | Up to 72 pcs |

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**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

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