

# Everplan

Our software for photovoltaic system design allows users to choose the appropriate solar modules and inverters according to their needs. It provides annual solar irradiation data for most areas in the world to be considered in the design plan and to calculate the annual power generation capacity of the chosen design plan in any specific geographical location.



## Features

- New module data can be added
- Solar irradiation information of main countries and cities in the world can be found
- Detailed information of Zeversolar inverters
- Electronic matching of modules and inverters
- Predict power generation and print into report
- Provide line loss computation of single thread
- Intuitive operation

# Solarcloud

Solarcloud is a tool created for monitoring photovoltaic systems from any browser and smart phone without territory restrictions. It shows the actual inverter power information and records special events and sends reports by email.



## Features

- Remote monitoring without territorial restriction
- Support for iPhone, iPad and Android phones
- Display of power information with simple number and graphic chart
- Record event
- Event and yield report by email
- Multi-user and flexible user authorisation

# Power Monitoring Unit

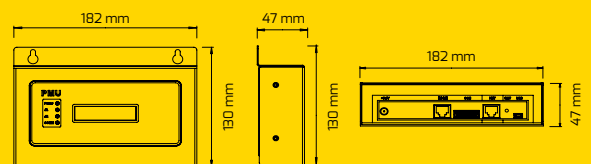
The Power Monitoring Unit takes charge of collecting the inverter's data and events in the photovoltaic system and stores them in the internal memory, to facilitate the user's data analysis. It uploads the collected data to Solarcloud via the Internet, so that users are able to understand the working statement of the inverter more directly and briefly.



## Features

- Communication with up to 30 inverters
- Remote monitoring via network connection
- Complete inverter data collection
- Upload data to Solarcloud
- Easy to use, no need to configure after connection
- Up to 1000 m reliable communication
- Support power control required by BDEW and EEG

## Technical data



Technical data	PMU
<b>Electronic data</b>	
Power supply	DC, 7.5 V / 1 A
Max. Power consumption	1 W
<b>Communication</b>	
Communication with the inverter	4-wires full duplex RS485
PC communication	Ethernet
The number of direct connecting inverters	Max. 30
The number of connecting PMU	Max. 10
<b>Interface</b>	
Power manager	4 digital input ports (for Radio ripple control receiver)
Ethernet	10/100 M bits, RJ45 (for Router)
RS485	4-wires full duplex
USB	Mini USB-B
<b>Max. communication range</b>	
RS485	1000 m
Ethernet	100 m
Power manager	3 m
<b>Mechanical data</b>	
Dimensions (W x H x D) [mm]	182 x 47 x 130
Weight	870 g
Installation	Wall, Indoors
<b>Environmental conditions</b>	
Operation	0°C to +50°C
Storage and shipment	-20°C to +60°C
Relative air humidity	5% to 90%, no condensation
Protection class	IP20