

## eSolar LIGHT MONITORING FOR PHOTOVOLTAIC PLANTS



eSolar LIGHT is a system for monitoring and managing local or remote maintenance of photovoltaic plants of size not exceeding the 50kWp and / or up to 10 inverters (inverters must be all of the same brand).

It can communicate with most of photovoltaic inverters / string controls present on the market through serial communication ports RS-232 / RS-485 / ethernet, in order to acquire the measured variables.

eSolar LIGHT is able to communicate with energy meters or network analyzers through communication ports RS-232 / RS-485 / Ethernet, in order to acquire the measured variables.

eSolar LIGHT collects, stores, and displays in tabular or graphical form of historical data daily, monthly and yearly for 10 years.

eSolar LIGHT through an external sensor boxes ordered separately is capable of capturing solar radiation, temperature of the photovoltaic module and optionally the wind speed and ambient temperature.

### STRENGTHS

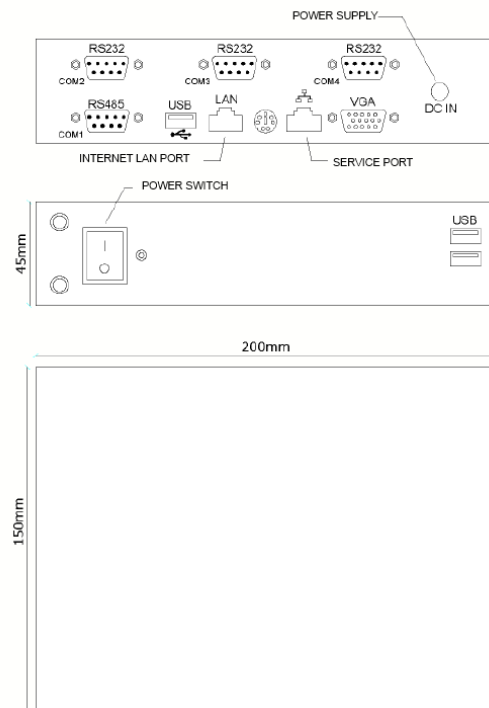
- Integrated web interface for easy consultation
- Easy installation and setup
- Compatible with inverters, controllers, string, multi-meters (please check compatibility on our website)
- O&M activities support tool
- Details of technical and economic information
- Management of historical data with the possibility to export multiformat data

### SYSTEM ELEMENTS

- Standalone monitoring system
- Compatible with cloud monitoring multiplant service SINAPSI DATA SERVICE
- Visualization via web / tablet / smartphone
- Accessories for communications, sensors, advanced communication

## TECHNICAL SPECIFICATIONS

<b>Color</b>	Black
<b>Costruction</b>	Heavy-duty cold-rolled steel
<b>I/O Port system</b>	<ul style="list-style-type: none"> <li>• 3 x RS-232 (COM 2/3/4)</li> <li>• 1 x RS-232/422/485 (COM 1)</li> <li>• 1 x VGA</li> <li>• 1 x PS/2 keyboard/mouse through Y-type cable</li> <li>• 2 x 10/100Mbps Ethernet</li> <li>• 3 x USB 2.0</li> <li>• 1 x dummy-proof reset button</li> <li>• 1 x VDC power input connector</li> </ul>
<b>Data backup slot</b>	1 x type II CompactFlash™ slot
<b>System indicator</b>	<ul style="list-style-type: none"> <li>• 1 x green LED for system power-on</li> <li>• 1 x orange LED for HDD active</li> </ul>
<b>Power supply</b>	Input rating: <ul style="list-style-type: none"> <li>• Screw type AC 20W adapter</li> <li>• Input: AC 90 ~ 264V</li> <li>• Output: DC 5V @ 4A</li> </ul>
<b>Operating temperature</b>	-20°C to 50°C
<b>Storage temperature</b>	-20°C to 80°C
<b>Humidity</b>	10-90% RH (non-condensing)
<b>Vibration endurance</b>	<ul style="list-style-type: none"> <li>• 2Grms w/ CF (5-500Hz, X, Y, Z directions)</li> </ul>
<b>Weight</b>	(net/gross) 1.3 kg (2.86 lb)/1.8 kg (3.97 lb)
<b>Certification</b>	CE
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>• 200 mm (7.8") (W)</li> <li>• 44 mm (1.73") (H)</li> <li>• 150 mm (5.9") (D)</li> </ul>



## ORDERING CODE: SIN.ESOLARLITE

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Specifications and pictures are subject to change without notice