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eSolar³ LIGHT KNX
INTEGRATED SYSTEM FOR ENERGY EFFICIENCY AND MONITORING OF PHOTOVOLTAIC SYSTEMS

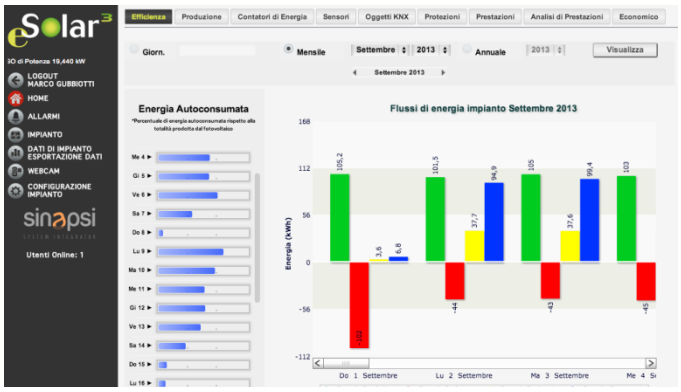
eSolar3 LIGHT KNX is an integrated device for the optimization of energy efficiency and monitoring of photovoltaic installations.

eSolar3 LIGHT KNX equipped with external interface to support the KNX communication protocol, the only global standard open for home and building automation in accordance with CEI EN 50090 e ISO/IEC 14543.

eSolar3 LIGHT KNX links the powerful features of family ESOLAR products, the analysis and planned management of consumption optimization, typical of control systems for energy efficiency, thanks to the powerful synergy with KNX.

Via web interface allows the setup of schedules and home automation operating logics related to PV production regimes. In simple and intuitive mode shows the trend analysis of the efficiency of the system, to allow the needed policies definition to increase consumption and maximization of production plant.

eSolar3 also supports the CEI 0-21 and CEI 0-16 norms.



STRENGHTS

- Simple consultation of integrated web interface
- Easy installation and setup
- KNX integrated port
- Flexibility on programming for the implementation of powerful political system of energy efficiency
- Compatibility with inverters, controllers strings, interface/general protections, multi-brand energy meters (after checking compatibilty)
- 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 multimplant service SINAPSI DATA SERVICE
- Visualization via web / tablet / smartphone via Web App Sinapsi+
- Accessories for home automation, communications, sensors

TECHNICAL SPECIFICATIONS

Color Black

Costruction Heavy-duty cold-rolled steel

I/O Port system

- 1 x KNX (COM 2)
- 2 x RS-232 (COM 3/4)
- 1 x RS-232/422/485 (COM 1)
- 1 x VGA
- 1 x PS/2 keyboard/mouse through Y-type cable
- 2 x 10/100Mbps Ethernet
- 3 x USB 2.0
- 1 x dummy-proof reset button
- 1 x VDC power input connector

Data backup slot 1 x type II CompactFlash™ slot

System indicator

- 1 x green LED for system power-on
- 1 x orange LED for memory activity

Power supply Input rating:

- Screw type AC 20W adapter
- Input: AC 90 ~ 264V
- Output: DC 5V @ 4A

Operating temperature -20°C to 50°C

Storage temperature -20°C to 80°C

Humidity 10-90% RH (non-condensing)

Vibration endurance

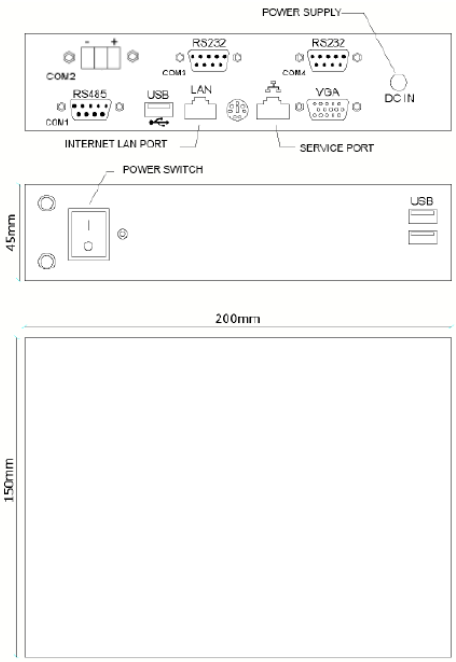
- 2Grms w/ CF (5-500Hz, X, Y, Z directions)

Weight (net/gross) 1.3 kg (2.86 lb)/1.8 kg (3.97 lb)

Certification CE

Dimensions

- 200 mm (7.8") (W)
- 44 mm (1.73") (H)
- 150 mm (5.9") (D)



ORDERING CODE: **SIN.ESOLAR3LTKNX**

Integrated system for energy efficiency and monitoring of photovoltaic systems.
For systems up to 200 kWp.

Specifications and pictures are subject to change without notice

Sinapsi S.r.l. | Via delle Querce 11/13 - 06083 Bastia Umbra (PG) - Italy
T. +39 075 8011604 - F. +39 075 8014602 | www.sinapsitech.it - info@sinapsitech.it