



SOLAR LED DRIVER

Intelligent lighting controller

The Solar LED Driver is a solar charger that incorporates 3 features into one system: charge and discharge function, LED lighting driver and RF communication. A controller with 3 individually controlled outputs, supporting voltages up to 30V at 700mA (max).

Benefits for your city

- ✓ Real time control and monitoring
- ✓ History of consumption and luminous flux
- ✓ Customizable time profiles that are easy to configure
- ✓ Integrates communication technologies to increase efficiency and effectiveness
- ✓ Control of luminaire temperature and current intensity



Main applications

Outdoor lighting

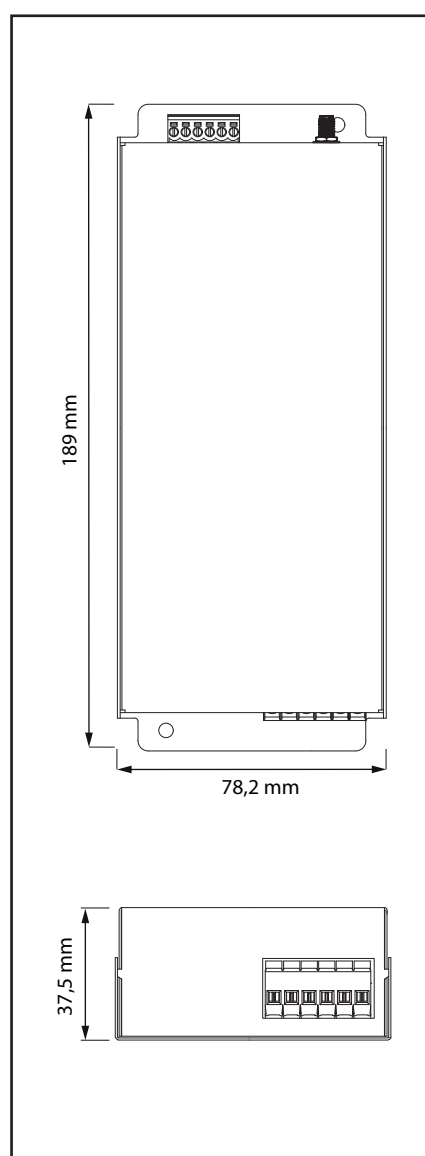
Parking lots
Public squares
Roads
Pedestrian zones
Sports centers



Control and management of energy

RF-type (868 MHz) wireless communications capable of integrating luminaires into the network.
Possibility of integration with the SInGeLu lighting management platform.

Technical drawing



Technical Features

GENERAL

Maximum Supply voltage	44 VDC
Power supply	24 VDC or 36 VDC battery bank
Maximum charging current	7 A
Battery charging	By MPPT
Solar panel	Selectable using the battery bank
External power	Depending on the battery bank
Stand-by consumption	< 1W
Electrical class	Class I
Operating temperature	-20°C to 50°C
Critical temperature	80°C
Driver	3 outputs up to 30V at 700mA (max)

COMMUNICATIONS

Control protocols	Internal driver
Frequency	868 Mhz
Transmission power	100mW
Bit rate	57.6 Kbs
Wireless typology	Mesh
Communication protocol	Globaltronic v5.5 or superior

FEATURES

Real time clock	2 months autonomy with battery
Light sensor input	LDR external
Motion sensor input	PIR external
Temperature sensor	On board
Current sensor	On board
Certification	CE, EMC e ROHS

Cofinanciado por:



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Contacts

Avenida das 2 Rodas, nº 830 Parque Empresarial do Casarão, 3750-860 Borralha, Portugal | E-mail: geral@globaltronic.pt | Telephone: (+351) 234 604 112