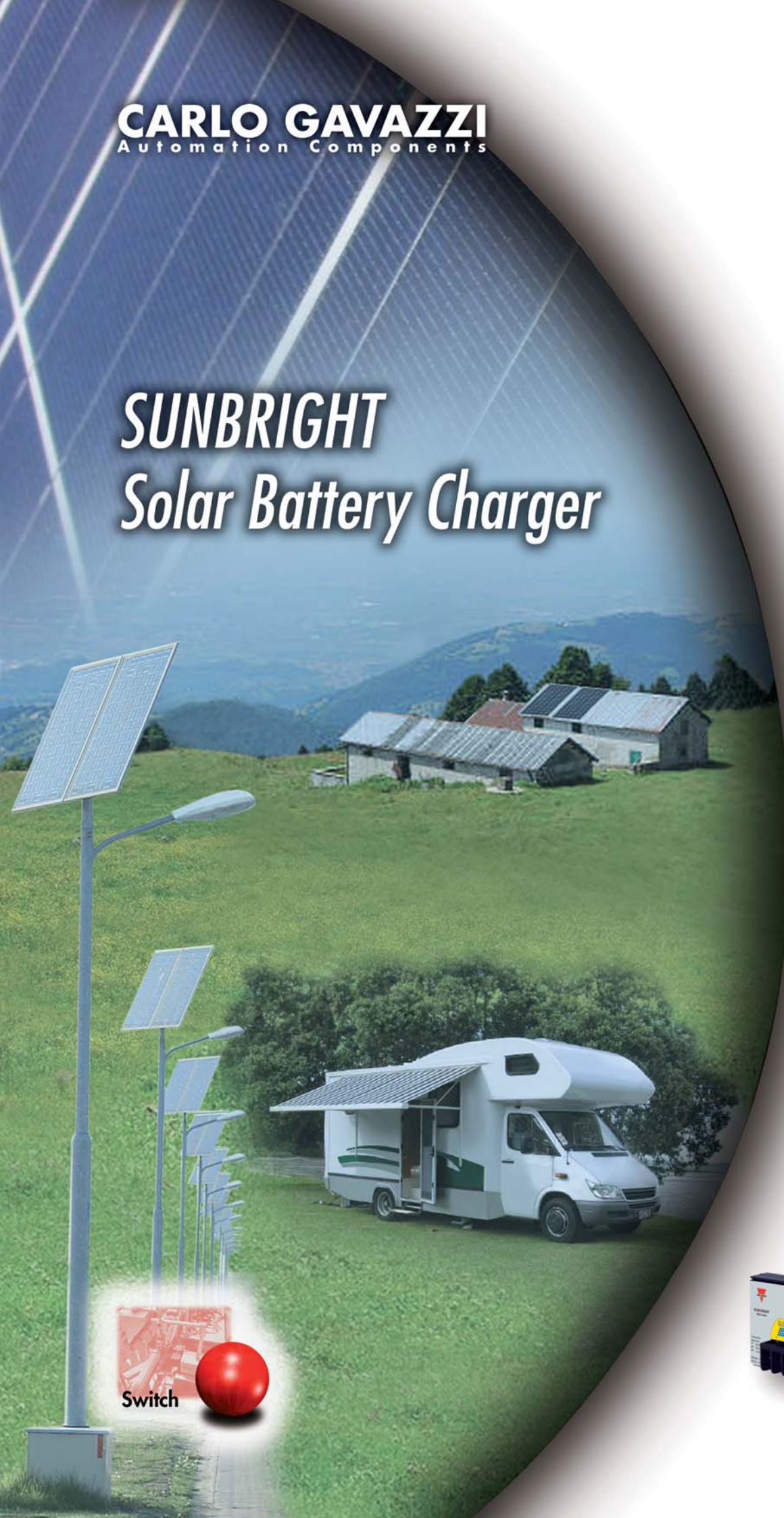


CARLO GAVAZZI
Automation Components



SUNBRIGHT *Solar Battery Charger*





SUNBRIGHT **Solar Battery Charger**

SunBright is an advanced design using a microcontroller for digital accuracy and fully automatic operation. It can be used for 12V, 24V and 48V system and can be operated at three major functions including solar battery charger, load control and lighting control. The PWM battery charging program has been optimized for longer battery life and the state-of-the-art auto detector of day and night has been precisely applied to log the different length of night hours for lighting control no matter where and when (the North or the South, winter or summer) SunBright is installed.



Solar Battery Charging

It manages the charging process to be efficient and to maximize the life of the battery. Charging includes a bulk charging stage, PWM absorption, float and equalization.

Lighting Control

With the SBCLC series, the desired lighting hours can be set-up to turn on and turn off the light in order to achieve power saving.

DC Load Control

With the SBCLC series, when set for DC load control, it powers loads from the battery, and protects the battery from over-discharge with a current compensated LVD (low voltage load disconnect).

LED Status Indicators

The status of the Charge and of the Load functions are displayed by LED.

Battery Temperature Sensor (BTS)

A built-in sensor next to the remote panel is used for temperature compensated battery charging.

Approvals

They comply with the related European standards.



User Friendly



Long Term Reliability



Simplified Set-Up



User Friendly



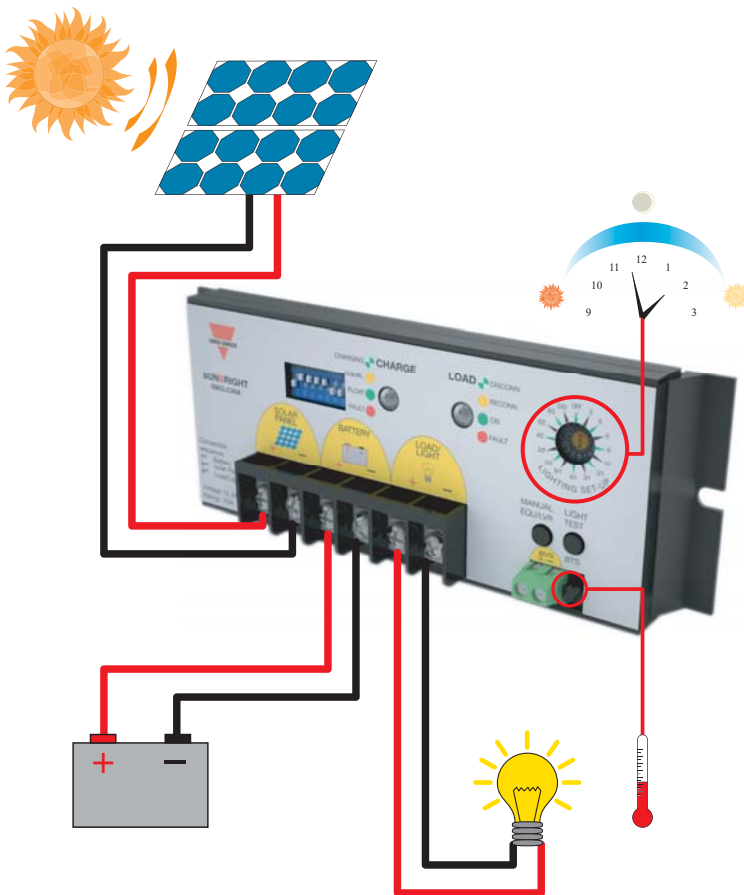
Market Applications

Solar system

A solar system is made by a solar charge controller, one or more solar PV array, a battery and a connected Lighting or Load. A stand alone system that can be used in any application where it could be difficult to have electrical energy. It is suitable for applications like camping, detached houses, emergency supply system.

Lighting control

SUNBRIGHT SBCLC series can automatically turn on the connected lighting circuit for a set time after sunset, and turns them off again the next morning at the latest. A system that can guarantee a cost reduction and energy saving easily. It fits perfectly for street lamps and automatic night lighting.



SBCLC10A 10A battery charger with Load/Light Control. Voltage:12, 24, 48VDC



SBCLC20A 20A battery charger with Load/Light Control. Voltage:12, 24, 48VDC



SBCLC30A 30A battery charger with Load/Light Control. Voltage:12, 24, 48VDC



SBC6A 6A battery charger. Voltage:12VDC



SBC10A 10A battery charger. Voltage:12, 24VDC



SBC20A 20A battery charger. Voltage:12, 24VDC



SBC30A 30A battery charger. Voltage:12, 24VDC

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