Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.
Only persons who read the user manual may use the device.
The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.
The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.
If the product has defects, it should not be used until it is repaired.
The product is intended for use at home and commercial use and may not be used for other than intended use.
The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.
The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:
1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:
Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.
The device must be secured against contact with caustic, staining and viscous fluids.

The device was designed in such a way that it restarts operation when power supply is restored after a break.
Attention! We recommend using protections to further protect the device from possible overvoltages in installations. Surge protectors are effective protection against accidental pass to the device voltages higher than the rated. Damages caused by pass the voltages higher than specified in manual, are not under warranty.
Turn off the device before transporting it.
Prior to connecting the device to a power source check whether the supplied voltage is consistent with rated voltage specified in the user manual.

Proper product disposal:
A marking of a crossed out waste bin indicates that the product may not be disposed together with other household waste in the entire EU. To avoid possible damage to the natural environment of health due to uncontrolled waste disposal, therefore, it should be handed over for recycling, propagating in this way sustainable use of natural resources.
To return a worn-out product, use a collection and disposal system of this type of equipment or contact a seller from whom it was purchased. He will then be recycled in an environmentally-friendly way.

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

User Manual

Code: SCC-30A-MPPT+BT/SRNE

SOLAR CHARGE CONTROLLER **SCC-30A-MPPT+BT/SRNE** SRNE

Solar panels are a clean and ecological source of electricity. Obtaining this energy, however, poses a number of challenges for device designers. The amount of energy produced by the panel is strongly dependent on the angle of incidence and the intensity of the light falling on the surface of the cells. This, in turn, leads to unstable power supply parameters at the output, as even shading a small part of the panel may drastically reduce the efficiency.

The optimal solution to the above-mentioned problems is the use of a set consisting of a solar panel, a battery and a charge controller. Such a set allows to ensure constant parameters of power supply to receivers, and also to store energy produced excessively for later use.

The SCC-30A-MPPT+BT/SRNE solar charge controller allows you to connect panels connected to each other both in series and in parallel - remembering not to exceed the permissible values of current and voltage at the input of the device.

The MPPT (Maximum Power Point Tracking) Controllers ensure the optimal level of use of electricity generated by the solar panel. Thanks to the technology that allows to track the maximum power point of the panel, MPPT devices charge the batteries faster and more efficiently than cheaper PWM controllers. In addition, the MPPT controllers are much better in worse lighting conditions (e.g. in the morning, in the evening, or when part of the panel is temporarily shaded).

The SCC-30A-MPPT+BT/SRNE model has been equipped with a communication bus that allows one of 3 accessories to be attached to it. These accessories are: Screen Module with control buttons, Temperature Sensor and Bluetooth Module. Due to the convenience of use and greater possibilities, we offer you a set consisting of the Controller and the Bluetooth Module, which using the SolarApp application (available for systems: Android and iOS) allows you to control device parameters, monitor its current status and provide insight into production and energy consumption statistics.

Attention! Solar controllers are adapted to work with solar panels. Do not use them with any other power source.



Regulation Type:	MPPT
Rated voltage:	12 / 24 V
Rated current:	30 A
Permitted voltage range:	• 14 ... 72 V for 12 V battery - The range of the highest operating voltage of a set of panels connected to one input of the controller • 26 ... 72 V for 24 V battery - The range of the highest operating voltage of a set of panels connected to one input of the controller
Output voltage:	Equal to the voltage at the battery terminals
Battery charging current:	max. 30 A
Load Current:	max. 30 A
Main features:	• The device is designed to charge AGM, gel, $LiFePO_4$ and lead-acid batteries, • LCD display, • LED diodes indicating the device operation status
Weight:	0.83 kg

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

Dimensions:	150 x 105 x 68 mm
Manufacturer / Brand:	SRNE
Guarantee:	2 years

Front view:



Rear view:



Connectors:

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60



In the kit:



PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60