

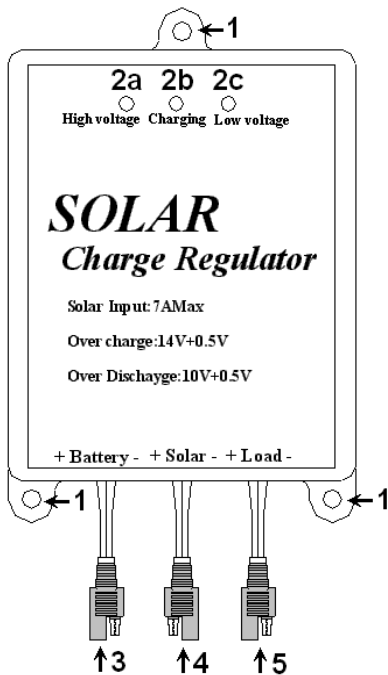
SOL7UC

velleman®
CE

7A-12VDC SOLAR CHARGE REGULATOR (max 7A-100W)
7 A-12 VDC LAADREGELAAR (max. 7 A-100 W)
RÉGULATEUR SOLAIRE 7 A-12 VDC (max. 7 A-100 W)
REGULADOR SOLAR 7 A-12 VDC (máx. 7 A-100 W)
7 A-12 VDC SOLARLADEREGLER (max. 7 A-100 W)



USER MANUAL	3
GEbruikersHANDLEIDING	5
NOTICE D'EMPLOI	7
MANUAL DEL USUARIO	9
BEDIENUNGSANLEITUNG	11



User manual

1. Introduction

To all residents of the European Union

Important environmental information about this product



This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment.

Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling.

This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing Velleman! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, don't install or use it and contact your dealer.

The solar charge regulator **SOL7UC** is designed to regulate battery charging by the solar panel, and power draw from the battery by the output. This keeps the whole solar system at proper working conditions. The solar charge regulator can best be used with our series of solar panel.

2. Safety Instructions



For indoor use only. Keep this device and cabling away from rain, moisture, splashing and dripping liquids.



Keep the device away from children and unauthorised users.



There are no user-serviceable parts inside the device.
Refer to an authorized dealer for service and/or spare parts.



Risk of electroshock during installation.

- Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
- Note that damage caused by user modifications to the device is not covered by the warranty.

3. General Guidelines

- Protect this device from shocks and abuse. Avoid brute force when operating.
- Protected the device against extreme heat, dust and moisture.
- Familiarise yourself with the functions of the device before actually using it.
- All modifications of the device are forbidden for safety reasons.
- Only use the device for its intended purpose. Using the device in an unauthorised way will void the warranty.

4. Overview

Refer to the drawing on page.2 of this manual.

1. Mounting hole
2. LED indicators:
 - 2a. high voltage (over-charge protection)
 - 2b. battery charging
 - 2c. low voltage (over-discharge protection)
3. 12V battery connector
4. Solar panel connector
5. Load connector

5. Installation

- Mount the regulator in a dry location using the 3 mounting holes [1].
- First connect a 12V rechargeable battery (**not included**) to connector [3].
- Connect a solar panel (**not included**) to connector [4].
- Connect a device or appliance (**not included**) to connector [5].



Do not short circuit or reverse polarity of battery, solar panel or load, as this will lead to irreversible damage.

6. Use

- When LED [2c] lights up, the regulator is in **over-discharge protection** mode. The power to the output connector [5] is cut off to prevent damage to the battery. Remove the load from connector [5] and wait until the battery is recharged.
- When LED [2a] lights up, the regulator is in **over-charge protection** mode. The power from the solar panel input connector [4] is cut off to prevent damage to the battery. The solar panel should be disconnected from the regulator.
- LED [2b] lights up when the solar panel is charging the battery.

7. Technical Specification

Input voltage (max.)	22VDC
Array current (max.)	7A
Over-charge protection	14V (+0.5V)
Over-discharge protection	10.5V (+0.5V)
Operating temperature	-10°C ~ 42°C
Humidity	≤80%
Dimensions regulator	80x 110 x 25mm
weight	±140g

Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulted from (incorrect) use of this device.

For more info concerning this product, please visit our website

www.velleman.eu.

The information in this manual is subject to change without prior notice.