



SOLARA® Charge Controllers

SOLARA® Charge Controller SR60UL

The SOLARA® SR60UL charge controller is especially designed for use in small solar systems where no load disconnect is required, especially for rural electrification and in mobile applications. The charging regime provides best battery treatment due to it is temperature compensated PWM charging method.

Additional features of the controller

- battery state-of-charge indicator
- large terminals (up to 16 mm²)
- 3-step PWM regulation (series type)
- boost & float charging method
- integrated temperature compensation
- solid-state overvoltage protection
- reverse polarity protection

Technical data of the controller

- max. module current: 4 A
- voltage: 12 V
- dimensions (W x H x D): 57 x 71 x 27 mm
- self power consumption: < 4 mA
- protection class: IP20



SOLARA® Charge Controller SR135TL

The SOLARA® SR135TL is a charge controller especially designed for small solar systems. Leisure and rural electrification systems are the typical applications. The three stage temperature compensated charging method is adjustable to sealed and lead-acid batteries. The battery status is clearly indicated by three LEDs. An acoustic low voltage pre-warning feature is integrated. A remote display is available as an option (SR/CXM).

Additional features of the controller

- state of charge indication with 3 LEDs
- low-voltage acoustic pre-warnings
- 3-step PWM regulation (series type)
- adjustable for gel batteries
- integrated temperature compensation
- automatic 12/24 V detection
- large terminals (up to 16 mm²)
- wrong polarity protection
- solid state circuit and load protection

Technical data of the controller

- max. load current: 8 A
- voltage: 12/24 V (automatic detection)
- dimensions (W x H x D): 80 x 100 x 32 mm
- self power consumption: < 4 mA
- protection class: IP20



Technical data for the remote display SR/CMM

- shows battery voltage, module and load current
- 3-digit LCD display
- DIN-rail-mounting ready
- dimensions (W x H x D): 71.5 x 68 x 29 mm
- length of connection cable: 2 m
- weight: 170 g incl. cable
- protection class: IP22



SOLARA® Charge Controllers

SOLARA® CX-Series

The SOLARA® SR170CX and SR340CX controllers are sophisticated solar charge regulators with exceptional features in this price range. Beside a perfect PWM regulation with integrated temperature compensation the controller provides extraordinary display-, programming- and safety functions. The battery state of charge is clearly displayed with a bar chart, as well as energy flow to and from the battery and the load status. Acoustic warnings are built in.

Via an interface (available as an accessory) the datalogger of the controller can be evaluated, failures analysed and features programmed. The compact case design is ready for DIN rail mounting (mounting device available as an accessory).

Additional features of the controller

- 3-step PWM-charging (series type)
- state of charge LCD display
- automatic 12/24 V detection
- integrated temperature compensation
- full solid-state protection
- DIN-rail-mounting ready
- covered terminals (up to 16 mm²)
- load status indication
- integrated strain relief
- programmable night-light function
- excess energy management
- port for analysis interface (optional)

Technical data for the controller

- max. module current: 10 A / 20 A
- max. load current: 10 A / 20 A
- voltage: 12/24 V (automatic detection)
- dimensions (W x H x D): 89 x 90 x 39 mm
- self power consumption: < 4 mA
- protection class: IP20



Technical data for the remote display SR/CXM

- shows battery voltage, module and load current, charging current, state of charge and the last 7 days from the data logger of the SR170CX/SR340CX
- 3-digit LCD display
- DIN-rail-mounting ready
- dimensions (W x H x D): 71.5 x 68 x 29 mm
- length of connection cable: 2 m
- weight: 112 g incl. cable
- protection class: IP22



SOLARA GmbH
Stresemannstraße 163
22769 Hamburg
GERMANY
Tel.: +49 40 3910653-0
info@solara.de

Your SOLARA partner:

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