



CX10, CX20, CX40 Solar Charge Regulator with LC Display

- Battery State-of-Charge display LCD
- Charge and discharge status display
- Acoustic load disconnect pre-warning
- Load status indication
- Choose between 3 load disconnect algorithms
- boost/absorption/float PWM-regulation (series type)
- Prepared for DIN rail mounting
- Automatic 12 / 24 Volt detection
- Integrated temperature compensation
- Covered terminals (up to 16mm² wire size)
- Full solid-state protection



The CX series is a sophisticated solar charge regulator family with exceptional features in this price range. Beside a perfect PWM regulation with integrated temperature compensation the controllers provide extraordinary display-, programming- and safety functions.

The battery state of charge is clearly displayed with a bar chart, as well as energy flows from and to the battery and the load status (e.g. overload, load short circuit). The deep discharge protection function can be set up to three different modes: voltage controlled, SOC controlled or adaptive (fuzzy logic).

Acoustic warnings are built in, also A programmable nightlight function.

As an accessory we can provide an Excess Energy Management output to control special Phocos appliances like the SF solar refrigerators/coolers.

The compact case design is prepared for DIN rail mounting (mounting device available as an accessory).

| | CX10 | CX20 | CX40 |
|------------------------|-------------|-------------|-------------|
| Charge current max. | 10 A | 20 A | 40 A |
| Load current max. | 10 A | 20 A | 40 A |
| System voltage | 12/24 V | 12/24 V | 12/24 V |
| Self power consumption | < 4 mA | < 4 mA | < 4 mA |
| Dimensions (wxhxd) | 89x90x39 mm | 89x90x39 mm | 89x90x39 mm |
| Type of protection | IP20 | IP20 | IP20 |

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