

# Solar Charge Controller with LCD Display



- Battery State-of-Charge display LCD
- Charge and discharge status display
- Acoustic load disconnect pre-warning
- Load status indication
- Choose between 5 load disconnect algorithms
- boost/absorption/float PWM-regulation (series type)
- Integrated temperature compensation
- Covered terminals(up to 16mm<sup>2</sup> wire size)
- Full solid-state protection

The CX series is a sophisticated solar charge controller 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 appliances like the SF solar refrigerators/coolers.

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

TYPE	CX10	CX20	CX40
Charge current max.	10A	20A	40A
Load current max.	10A	20A	40A
System voltage	12/24V	12/24V	12/24V
Self power consumption	<4mA	<4mA	<4mA
Dimensions(wxhxd)	92x93x38mm	92x93x38mm	92x93x38mm
Type of protection	IP22	IP22	IP22