

CX Series Charge Regulator

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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, as well as a programmable nightlight function. The CX also provides a built-in excess energy management function which means that in combination with especially designed loads (e.g. CSE Solar Refrigerators/Coolers SF32E, SF50E) it is possible to make use of excess energy which would be lost otherwise because of the overcharge protection of the battery. A better utilization of the solar system is the benefit.

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

- 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



	PS-CX10-CC	PS-CX20-CC	PC-CX40-CC
Max. module current	10 A	20 A	40 A
Max load current	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	IP21