

# CXN10, CXN20, CXN40 (Negative Grounding)

## Programmable Solar Charge Controller



- Built-in 1 Year Data Logger for System Analysis
- Choose between 5 load disconnect algorithms
- Temperature compensated 3 Stage (Boost/absorption/float) PWM Series Regulation
- Automatic 12 / 24 Volt detection
- Prepared for DIN rail mounting (CX-DR2.1)
- Optional external temperature sensor (CXNT)
- Optional remote display (CXM multi-meter)
- Optional USB interface (CXI + CXCOM)

The CXN series is a sophisticated solar charge regulator family with negative grounding. 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. The deep discharge protection function can be set up to five different modes: voltage controlled, SOC controlled or adaptive SOC controlled.

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 DCL DC voltage converter.

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

For information about data logging and system analysis see datasheet CXI\_CXCOM\_ENG.pdf

TYPE	CXN10	CXN20	CXN40
Charge Current Max.	10A	20A	40A
Load Current Max.	10A	20A	40A
System Voltage	12 / 24V	12 / 24V	12 / 24V
Self Power Consumption	<6mA	<6mA	<6mA
Ambient Temp. Range	-25 to +50 °C	-25 to +50 °C	-25 to +50 °C
Dimension (W x H x D)	89 x 90 x 39mm	89 x 90 x 39mm	89 x 90 x 39mm
Weight	175g	175g	186g
Type of Protection	IP22	IP22	IP22

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