



# 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.

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	92 x 93 x 38mm	92 x 93 x 38mm	92 x 93 x 38mm
Weight	168g	168g	179g
Type of Protection	IP22	IP22	IP22

Phocos AG, Germany  
info@phocos.com

Phocos China Ltd., China  
Info-china@phocos.com

Phocos India Solar Pvt. Ltd., India  
Info-india@phocos.com

Phocos Latin America S.R.L., Bolivia  
Info-latinamerica@phocos.com

Phocos Rep. Office Australia, Australia  
Info-australia@phocos.com

Phocos Rep. Office Brazil, Brazil  
Info-brazil@phocos.com

Phocos Rep. Office Eastern Africa, Kenya  
Info-easternafrica@phocos.com

Phocos Eastern Europe S.R.L., Romania  
Info-easterneurope@phocos.com

Phocos SEA Pte Ltd, Singapore  
Info-sea@phocos.com

Phocos Rep. Office South Africa  
Info-sadc@phocos.com

Phocos Tunisia  
Info-maghreb@phocos.com

Phocos USA  
Info-usa@phocos.com