

## CXNup 2B (20 A)

Dual Battery Solar Charge Controller with LCD



- Charge two individual batteries
- User friendly LCD shows extensive system information
- Four-stage PWM charging algorithm with integrated temperature compensation
- Full electronic protection
- Data logger information that can also be exported via MXI interface
- Touch keys ensure long lasting operation

The dual battery charger CXNup 2B offers outstanding features in its class. In addition to sophisticated PWM charge regulation with integrated temperature compensation, the CXNup 2B controller provides a user friendly LCD indication, programmable parameters, and various safety functions.

Furthermore, battery state of charge (SOC), energy flow to the batteries can be clearly visualized. When built in a caravan the CXNup 2B keeps the starter battery full and provides a flexible priority setting for the batteries. An acoustic alarm is also built-in.

# CXNup 2B (20 A)

Dual Battery Solar Charge Controller with LCD

Type	CXNup 2B 20
System voltage	12/24 V auto recognition
Max. charge current	20 A
Float charge (lead acid battery)	13.8/27.6 V (25 °C)
Main charge (lead acid battery)	14.4/28.8 V (25 °C), 30 min. (daily)
Boost charge (lead acid battery)	14.4/28.8 V (25 °C), 2 h Activation: battery voltage < 12.3/24.6 V
Equalization charge (lead acid battery)	14.8/29.6 V (25 °C), 2 h Activation: battery voltage < 12.1/24.2 V
Charge voltage for LiFePO4 battery	14.0/28.0 V (temperature limit: -20 to +60 °C)
Max. panel voltage (Surge protection by varistor)	30 V in 12 V system 50 V in 24 V system
Temperature compensation (Charge voltage)	-25 mV/K at 12 V -50 mV/K at 24 V
Idle self-consumption	< 4 mA
Grounding	Negative pole grounded
Ambient temperature	-30 to +50 °C
Max. altitude	4,000 m above sea level
Battery type	Lead acid (GEL, AGM, flooded), LiFePO4
Main / auxiliary battery charging	Adjustable
Data logger	2 years
External temperature sensor	Yes
Wire cross section	Up to 16 mm <sup>2</sup>
Dimensions (W x H x D)	101 x 103 x 32 mm
Weight	168 g
Type of protection	IP20