

BlueSolar Charge Controller PWM DUO LCD&USB

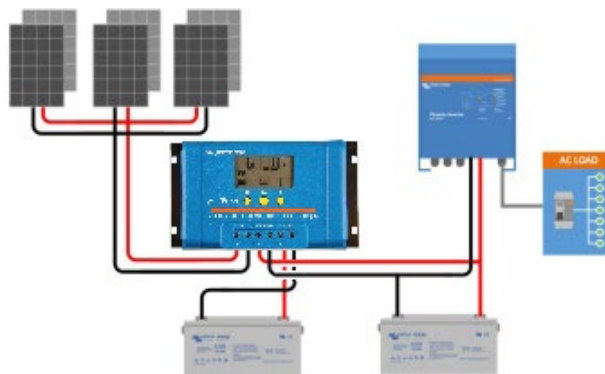
12/24V 20A

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Features

- **Liquid crystal display.** For status monitoring and set-up
- **External Temperature sensor** included
- **2 Separate Battery outputs.** Charges two separate batteries. For example, the starter battery and the service battery of a boat or mobile home.
- **Protections.** Protected against reverse polarity connection of the solar panels and/or battery
- **Programmable battery charge algorithm.** Algorithms for AGM, GEL or Flooded lead-acid batteries and LiFePO4 batteries (with internal BMS).
- **Two 5 Volt USB outputs.** Maximum current of the two outputs combined: 2A



BlueSolar PWM-DUO LCD-USB	12/24-20
Battery Voltage	12/24 V with automatic system voltage detection [for LiFePO4 no automatic system voltage detection]
Rated charge current	20A
Second battery output	Yes
Load output	2 USB ports 5V/2A
Automatic load disconnect	10.5V/21V
Maximum solar voltage	28V / 55V (1)
Self-consumption	10 mA
Protections	Battery reverse polarity (fuse) Over temperature
Grounding	Common negative
Operating temp. range	-35 to +55°C (full load)
Humidity (non-condensing)	Max 95%
DEFAULT SETTINGS	
Charge voltage 'absorption' (2)	14.4V / 28,8V
Charge voltage 'float' (2)	13.7V / 27,4V
Battery temperature sensor	Yes, remote sensor [included]
Temperature compensation	-30mV/°C / -60mV/°C
ENCLOSURE	
Protection class	IP20
Terminal size	16 mm ² / AWG6
Weight	0,3kg
Dimensions (h x w x d)	101.5 x 184.0 x 47.1 mm [4.0 x 7.4 x 1.8 inch]
STANDARDS	
Safety	IEC 62109-1
EMC	EN 61000-6-1, EN 61000-6-3, ISO 7637-2
1) For 12V use 36 cell solar panels For 24V use 72 cell solar panel or 2x 36 cell in series	
2) See manual for alternative voltage settings	