BlueSolar PWM-DUO Charge Controller

12/24V 20A

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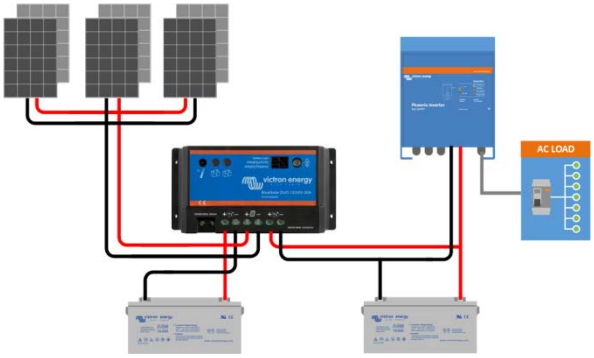
BlueSolar PWM-DUO 12/24-20

Features

- PWM controller
- Charges two separate batteries. For example the starter battery and the service battery of a boat or mobile home
- Programmable charge current ratio (standard setting: equal current to both batteries)
- Charge voltage settings for three battery types (Gel, AGM and Flooded)
- Internal temperature sensor and optional remote temperature sensor
- Protected against over current
- Protected against short circuit
- Protected against reverse polarity connection of the solar panels and/or battery

Remote display for BlueSolar DUO 12/24-20



BlueSolar PWM-DUO	12/24-20
Battery Voltage	12/24 V with automatic system voltage detection
Rated charge current	20A
Second battery output	Yes
Automatic load disconnect	n. a.
Maximum solar voltage	28V / 55V (1)
Self-consumption	4 mA
Protection	Battery reverse polarity (fuse) Output short circuit Over temperature
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, internal sensor (remote sensor optional)
Temperature compensation	-30mV/°C / -60mV/°C
ENCLOSURE	
Protection class	IP20
Terminal size	6 mm² / AWG10
Weight	0,18kg
Dimensions (h x w x d)	76 x 153 x 37 mm
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

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