

BlueSolar PWM-DUO Charge Controller

12/24V 20A



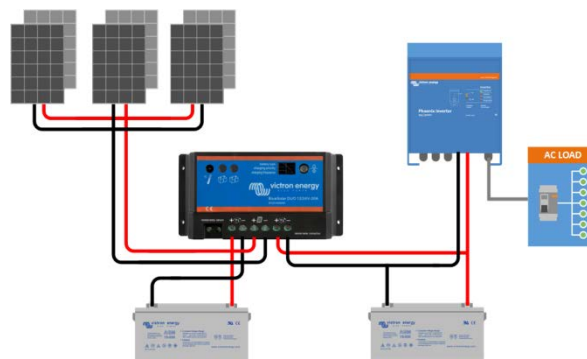
BlueSolar PWM-DUO 12/24-20

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 mm ² / 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	