

Skype



BLUESOLAR PWM

Three models: 5A, 10A or 20A at 12V or 24V *



Regulador Solar PWM Victron Energy BlueSolar



Regulador Victron BlueSolar PWM DUO



Display Regulador Solar Victron BlueSolar DUO



Regulador Solar Victron BlueSolar PWM 48V





Regulador Solar Victron BlueSolar PWM Pro

- Low cost PWM controller
- Internal temperature sensor
- Three stage battery charging (bulk, absorption, float)
- Protected against over current
- Protected against short circuit
- Protected against reverse polarity connection of the solar panels and/or battery
- With low voltage load disconnect output
- Optional remote display (20A model only)

PWM LIGHT SPECIFICATIONS

BlueSolar PWM-Light 12/24-5 12/24-10 12/24-20 12/24-30

Battery voltage	12/24 V, with automatic system voltage detection
Rated charge current	5 A 10 A 20 A 30 A
Automatic load disconnect	Yes
Maximum solar voltage	28 / 55 V (Use 36 cell solar panels for 12 volts, 72 cell solar panels for 24 volts)
Self-consumption	< 10 mA
Load output	Manual control + low voltage disconnect
Protection	Battery reverse polarity (fuse) Output short circuit Over temperature
Overload protection	Shut down after 60 s in case of 130% load Shut down after 5 s in case of 160% load Short circuit: immediate shut down
Grounding	Common positive
Operating temp. range	-20 to 50 °C (full load)
Humidity (non-condensing)	Max. 95 %
Battery	
Charge voltage "absorption"	14,2 / 28,4 V
Charge voltage "float"	13,8 / 27,6 V
Low voltage disconnect	11,2 / 22,4 V

Low voltage load reconnect	12,6 / 25,2 V (manual) 13,1 / 26,2 (automatic)
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Enclosure

Protection class	IP20
Terminal size	5 mm ² / AWG 10
Weight	0,15 Kgr. 0,2 Kgr
Dimensions (h x w x d)	70 x 133 x 33,5 mm

Standards

Security	IEC 62109-1
EMC	EN 61000-6-1, EN 61000-6-3

PWM LIGHT 48V SPECIFICATIONS

BlueSolar PWM-Light 48V

48-10 48-20 48-30

Battery voltage	48 V
Rated charge current	10 A 20 A 30 A
Automatic load disconnect	Yes
Maximum solar voltage	100 V
Self-consumption	< 10 mA
Load output	Manual control + low voltage disconnect
Protection	Battery reverse polarity (fuse) Output short circuit Over temperature
Overload protection	Shut down after 60 s in case of 130% load Shut down after 5 s in case of 160% load Short circuit: immediate shut down
Grounding	Common positive
Operating temp. range	-20 to 50 °C (full load)
Humidity (non-condensing)	Max. 95 %

Battery

Charge voltage "Bulk"	58,0 V
Charge voltage "absorption"	56,8 V
Charge voltage "float"	55,2 V

Low voltage disconnect	44,8 V
Low voltage load reconnect	50,4 V (manual) 52,4 V (automatic)
Enclosure	
Protection class	IP20
Terminal size	6 mm ² / AWG 10
Weight	0,17 Kgr.
Dimensions (h x w x d)	95 x 140 x 33,5 mm
Standards	
Security	IEC 62109-1
EMC	EN 61000-6-1, EN 61000-6-3

PWM PRO SPECIFICATIONS

BlueSolar PWM-Pro	12/24-5	12/24-10	12/24-20	12/24-30
Battery voltage	12/24 V, with automatic system voltage detection			
Rated charge current	5 A	10 A	20 A	30 A
Automatic load disconnect	Yes			
Maximum solar voltage	28 / 55 V (Use 36 cell solar panels for 12 volts, 72 cell solar panels for 24 volts)			
Self-consumption	< 10 mA			
Load output	Manual control + low voltage disconnect			
Protection	Battery reverse polarity (fuse) Output short circuit Over temperature			
Battery temperature sensor	Optional (article SCC940100100)			
Temperature compensation	-30 mV/°C resp. -60 mV/°C (if temperature sensor installed)			
Remote panel	Optional (article SCC900300000)			
Grounding	Common positive			
Operating temp. range	-20 to 50 °C (full load)			
Humidity (non-condensing)	Max. 98 %			
Battery				
Charge voltage "absorption"	14,4 / 28,8 V			
Charge	13,8 / 27,6 V			

voltage "float"				
Equalization voltage	14,6 / 29,2 V			
Low voltage load disconnect	12,6 / 25,2 V			
Low voltage load reconnect	13,1 / 26,2 V			
Enclosure				
Protection class	IP30			
Terminal size	4 mm ²	4 mm ²	10 mm ²	10 mm ²
Weight	0,13 Kgr.	0,3 Kg	0,5 Kg	
Dimmensions (h x w x d)	138 x 70 x 37 mm	160 x 82 x 48 mm	200 x 100 x 57 mm	
Standards				
Security	IEC 62109-1			
EMC	EN 61000-6-1, EN 61000-6-3			

DOWNLOADS



Catálogo General
Bornay 14-15
(10.41 MiB)