

## BlueSolar PWM-Pro Charge Controllers

www.victronenergy.com



BlueSolar PWM-Pro 10A



BlueSolar Pro Remote Panel

## Programmable

The BlueSolar PWM-Pro series is ready for use with its default settings.

It also is fully programmable:

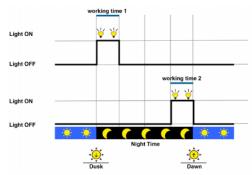
- With help of a computer and software (available free of charge from our website)
- With the dedicated BlueSolar Pro Remote Panel (see features below).

## **Features**

- Lighting control function, fully programmable.
- Three stage battery charging (bulk, absorption, float), fully programmable.
- Integrated battery monitor function (Remote Panel needed to display state of charge).
- Load output with low voltage disconnect and manual control (default setting).
- Optional external temperature sensor.
- Load output protected against over load and short circuit.
- Protected against reverse polarity connection of the solar array and/or battery.

## Day/night timing options

See Remote Panel manual for details



BlueSolar PWM-Pro	12/24-5	12/24-10	12/24-20	12/24-30
Battery Voltage	12/24V with automatic system voltage detection			
Rated charge current	5A	10A	20A	30A
Automatic load disconnect	Yes			
Maximum solar voltage	28V / 55V (1)			
Self-consumption	< 10mA			
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 resp60 mV / °C (if temperature sensor installed)			
Remote panel	Optional (article SCC900300000)			
Grounding	Common positive			
Operating temp. range	-20 to +50°C			
Humidity (non-condensing)	Max 98%			
	DE	FAULT SETTIN	GS	
Absorption charge (2)	14.4V / 28,8V			
Float charge (2)	13.8V / 27,6V			
Equalization charge (2)	14,6V / 29,2V			
Low voltage load disconnect	11,1V / 22,2V			
Low voltage load reconnect	12,6V / 25,2V			
		ENCLOSURE		
Terminal size	4mm²	4mm²	10mm²	10mm²
Protection category	IP <sub>3</sub> o			
Weight	0,13kg	0,13kg	o,3kg	o,5kg
Dimensions (h x w x d)	138x70x37 mm 5.4x2.7x1.4 inch	138x70x37 mr 5.4x2.7x1.4 in		200x100x57 mm 7.9x4.0x2.3 inch
		STANDARDS		
Safety	IEC 62109-1			
Emission	EN 61000-6-1, EN 61000-6-3, ISO 7637-2			

For 12V use 36 cell Solar panels
For 24V use 72 cell Solar panels