

## 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:

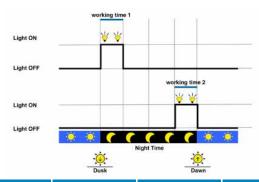
- With help of a computer and software (available free of charge from our website)
- With the dedicated BlueSolar Pro Remote Panel (see features below).

## **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 Common positive				
Operating temp. range	-20 to +50°C				
Humidity (non-condensing)	Max 98%				
	DE	FAULT SETTINGS			
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 <b>,</b> 13kg	o,3kg	o,5kg	
Dimensions (h x w x d)	138x70x37 mm 5.4x2.7x1.4 inch	138x70x37 mm 5.4x2.7x1.4 inch	160x82x48 mm 6.3x3.2x1.9 inch	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 24V use 72 cell Solar panels