SOL PWM 20A SOLAR REGULATOR [2 x SOCKETS USB]

REGULAR RANGE

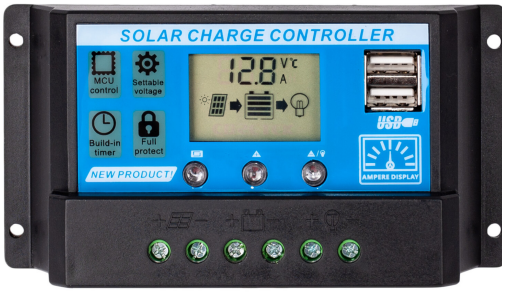
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CATEGORY
Photovoltaic panels and accessories

SUBCATEGORY
Solar regulators PWM

PRODUCT PAGE
voltpolska.pl/produkty/sol-pwm-20a-2xusb-regulator-solarny



ABOUT THE PRODUCT

The SOL PWM 20A 2xUSB solar regulator is used to control the operation of stand-alone photovoltaic systems with a solar panel and 12 or 24V batteries. It automatically detects the system voltage and provides the correct battery charging current characteristic.

The device uses efficient 3--stage PWM charging and monitors the battery charge level. It enables memory reset at night, allowing use, for example, in street lighting systems. The clear LCD display and the interface operated using 2 buttons facilitate monitoring of regulator operation.

The regulator is equipped with overload, short-circuit, overvoltage and undervoltage protection, as well as protection against battery overcharging and discharge and reverse polarity. The built-in 2 USB sockets have 5V/2A parameters.

TECHNICAL SPECIFICATIONS

System and Charging Parameters	**System voltage**	12V / 24V (automatic detection)
	Charging type	PWM
	Maximum charging current	20A
	Maximum voltage from solar panels	50V
	Self-consumption current	≤ 15mA
Battery Voltage Parameters	**Float voltage**	13.6V (adjustment: 13V~15V) / x2 for 24V system
	LVD (Low-voltage disconnect)	10.7V (adjustment: 9V~12V) / x2 for 24V system
	LVR (Reconnection)	12.6V (adjustment: 11V~13.5V) / x2 for 24V system
	Overcharge protection	16.5V / x2 for 24V system
	Temperature compensation	-24 mV / °C (for 12V installations); x2 (for 24V)

TECHNICAL SPECIFICATIONS - CONTINUED

Protection and Additional Functions	**USB outputs**	2 x with integrated USB port 5V/2A
	Reverse polarity protection	YES
Environment and Dimensions	**Operating temperature**	-35°C ~ +60°C
	Cable cross-section	28 - 10 AWG
	Dimensions	133 x 70 x 34 mm
	Weight	300 g

PRODUCT GALLERY









PRODUCT GALLERY - CONTINUED



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