SOL PWM 10A SOLAR REGULATOR [2 X USB SOCKETS]

REGULAR RANGE

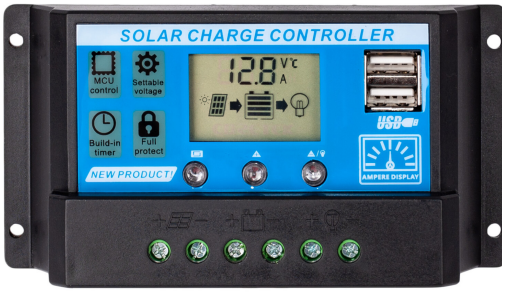
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CATEGORY
Photovoltaic panels and accessories

SUBCATEGORY
Solar regulators PWM

PRODUCT PAGE
voltpolska.pl/produkty/sol-pwm-10a-2xusb-regulator-solarny



ABOUT THE PRODUCT

The SOL PWM 10A 2xUSB solar regulator is used to control the operation of standalone photovoltaic systems with a solar panel and 12V or 24V batteries. It automatically detects the system voltage and provides the appropriate battery charging characteristic.

The device uses efficient 3--stage charging PWM and monitors the battery charge level, with the option of resetting the memory at night, e.g. in street lighting installations. A clear LCD display and an interface operated using 2 buttons enable control of the regulator operation.

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

TECHNICAL SPECIFICATIONS

System and Charging Parameters	**System voltage**	12V / 24V (automatic detection)
	Charging type	PWM
	Maximum charging current	10A
	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 disconnection)	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); x2 (for 24V)

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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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