SOL PWM 30A SOLAR REGULATOR [2 X SOCKETS USB]

REGULAR RANGE

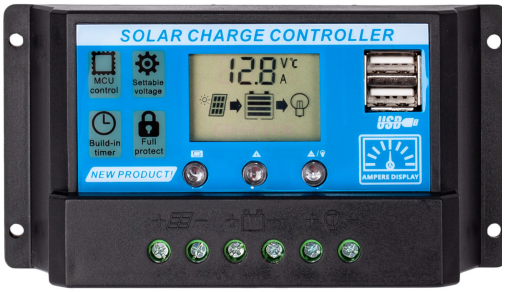
PRODUCT CODE
3IPSSOLU30

EAN
5903293765470

CATEGORY
Photovoltaic panels and accessories

SUBCATEGORY
Solar regulators PWM

PRODUCT PAGE
voltpolska.pl/produkty/sol-pwm-30a-2xusb-regulator-solarny



ABOUT THE PRODUCT

The SOL PWM 30A 2xUSB solar regulator is used to control the operation of standalone photovoltaic systems with a solar panel and 12 or 24V batteries. It ensures the correct charging current characteristic and protects the batteries against overcharging and excessive discharge.

The device automatically detects the system voltage 12V or 24V and uses 3--stage charging PWM. The clear LCD display and the interface operated using two buttons facilitate monitoring of the operating parameters and battery charge level.

The regulator offers the option of resetting the memory at night, allowing it to be used, among other applications, in street lighting systems. It is equipped with overload, short-circuit, overvoltage, undervoltage, overcharging and battery discharge, and reverse-polarity protection.

The two built-in USB 5V/2A sockets enable compatible devices to be connected. The maximum charging current is 30A, and the maximum voltage from the solar panels is 50V.

TECHNICAL SPECIFICATIONS

System and Charging Parameters	**System voltage**	12V / 24V (automatic detection)
	Charging type	PWM
	Maximum charging current	30A
	Max. voltage from solar panels	50V
	Self-consumption current	≤ 15mA

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GENERATED: 2026-10-30 14:58

TECHNICAL SPECIFICATIONS - CONTINUED

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)
Protection and Additional Functions	**USB outputs**	2 x built-in USB port 5V/2A
	Reverse polarity protection	YES
Environment and Dimensions	**Operating temperature**	-35°C ~ +60°C
	Cable cross-section	28 - 10 AWG
	Dimensions	187 x 98 x 50 mm
	Weight	370 g

PRODUCT GALLERY





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