SOL PWM 40A SOLAR REGULATOR [2 X SOCKETS USB]

REGULAR RANGE

PRODUCT CODE
3IPSSOLU40

EAN
5903293765487

CATEGORY
Photovoltaic panels and accessories

SUBCATEGORY
Solar regulators PWM

PRODUCT PAGE
voltpolska.pl/produkty/sol-pwm-40a-2xusb-regulator-solarny



ABOUT THE PRODUCT

The SOL PWM 40A 2xUSB solar regulator is used to control the operation of standalone photovoltaic systems with 12V or 24V batteries. It ensures the correct charging current characteristic and protects the battery against overcharging and excessive discharge.

The device automatically detects the system voltage 12V/24V and uses efficient 3-phase charging PWM. The clear LCD display and the interface operated using 2 buttons enable control of the regulator's operation.

The regulator monitors the battery charge level and offers the option of resetting the memory at night, which allows it to be used, among other applications, in street lighting systems. It is equipped with overload, short-circuit, overvoltage, undervoltage, overcharge and battery discharge protection, as well as reverse-polarity protection.

The built-in 2 USB sockets 5V/2A enable compatible devices to be connected. The regulator's maximum charging current is 40A, 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	40A
	Max. voltage from solar panels	50V
	Self-consumption current	≤ 15mA

VOLT POLSKA Sp. z o.o.

ul. Świemirowska 3, 81-877 Sopot
NIP 5851458032 | REGON 221142660
KRS 0000372066

voltpolska.pl
(58) 500-85-62
hurt@voltpolska.pl
pomoc@voltpolska.pl

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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 installation); x2 (for 24V)
Protections 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
	Wiring cross-section	28 - 10 AWG
	Dimensions	187 x 98 x 50 mm
	Weight	370 g

PRODUCT GALLERY





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