

Intelligent 8A MPPT Solar Charge Controller

WI-PS301-UPS

Overview

MPPT (Maximum Power Point Tracking) charger controller generates at least 15%-30% more power than a traditional PWM charger controller. It can be completely powered by solar energy with no additional self-power consumption. It was built-in over-temperature protection, over-voltage protection, over current protection, overcharging protection, over-discharging protection, overload protection, and short circuit protection to provide full protection for your battery.

Features

Industrial Level Solar Controller

with -20°C–75°C working temperature to withstand harsh weather, allowing high efficient charging to your batteries. Metal casing design can avoid maintenance frequently. Flexible installation visa DIN-rail mount.

Multi-protection to Ensure Safety

The solar controller was built-in over-temperature protection for controller and battery, input under-voltage and over-voltage protection, output under voltage and over voltage protection, reverse polarity protection for power input and battery connection, and output over current and short circuit protection to provide full protection for your devices.

Works with Multiple Batteries

Compatible with Lead acid battery and lithium battery. 3-stage charging: boost, float, and equalization to get the maximum use of solar energy. Great for Wi-Tek solar PoE switch.

Visual Monitor

Equipped with LED indicators to monitor the real-time solar current and the battery capacity.



Specifications

Products	WI-PS301-UPS
Product Terminals	2 x solar input terminals
	1 x battery input terminal
	2 x DC output terminals
	1 x temperature sensor terminal
Max Charge Current	8A
Solar Type	12-24V 400W input (Open Circuit Voltage 18V~32V)
Battery type	12V lead-acid battery
	12.6V/14.8V lithium battery
Power Output	12V Max 5A (Optional)
	24V Max 3A (Optional)
Protection	12.6V/14.8V lithium battery
	Over temperature protection for controller and battery
	Input under voltage and over voltage protection
	Output under voltage and over voltage protection
	Reverse polarity protection
	Output over current and short circuit protection
LED indicator	Sun: solar energy input indicator
	BT: battery status indicator
	Bin: battery charging indicator
	Bout: battery discharge indicator
	QCE: 25% - 100%: battery power percentage indicator
	DGA:% charging current percentage indicator
Certification	CE, FCC, RoHS
Package Dimension	205 x 132 x 40mm
Controller Dimension	90 x 107 x 30mm
Working Environment	Working Temperature: -20~+75° C: 10%~90% (No condensation) Storage temperature: -40~+80° C: 5%~90%(No condensation)



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Technical Support



Cloud Management



Company Website