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Titan MPPT solar charge controller



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Titan MPPT Solar Controller

The EverExceed Titan MPPT solar charge controller sets new standards in the area of Maximum Power Point trackers. Outstanding efficiency along with unique safety features make it a universal top-grade charge controller.

With an input voltage of up to 150 V, all kinds of solar modules can be used in various connection schemes. This charge controller combines high flexibility, maximum yields, professional battery care and an appealing design on the basis of advanced technology.



Product features

- Voltage and current regulation
- MPPT control
- Temperature compensation
- Monthly maintenance charge
- Adjustable cut-off voltages
- Battery type: AGM/GEL/Vented Lead Acid battery, Nickel Cadmium battery, Lithium Ion / LiFePO4 Battery
- controller can be connected in unlimited parallels

Electronic protection functions

- Low voltage input protection
- Over voltage input protection
- Over charge power protection
- Low voltage output protection
- Rated output current protection
- Temperature protection

Displays

- Multifunction graphical LCD display with backlighting
- Configuration via display unit

Accessories

- External temperature sensor
- RS485 communication



SPECIFICATION

Model	T20	T30	T40	T50	T60	
Charge Mode	MPPT(maximum power point tracking)					
MPPT Efficiency	≥99.5%					
System Efficiency	≥97%					
System Type	12V/24V/36V/48V Auto					
Input Characteristic						
Maximum PV Input Voltage	150V					
High PV Input Voltage Protection	150V					
High PV Voltage Recovery Point	145V					
Start The Charge Voltage Protection Point	≥ (present battery voltage + 5V)					
Low PV Input Voltage Protection Point	≤ (present battery voltage + 3V)					
Maximum PV power	12V	260W	390W	520W	650W	780W
	24V	520W	780W	1040W	1300W	1560W
	36V	780W	1170W	1560W	1950W	2340W
	48V	1040W	1560W	2080W	2600W	3120W
Charge Characteristic						
Charge Stage	Boost / Equalization / Float					
Rated Charge Current	20A	30A	40A	50A	60A	
Selectable Battery Types	Flooded/ Sealed AGM/ Gel/ User-defined					
Discharge Characteristic						
Max. DC Load current	20A	30A	40A	50A	60A	
The DC Output Control	On mode, Off mode, PV voltage control mode, Time control, PV + Time control					
Low Voltage Output Protection Point	10.5V, Recovery 11V(Default)					
Other Parameters						
Protection Function	Yes					
Thermal Methods	Fan cooling					
Temperature Compensation	-3mV/°C/2V(default)					
Communication	RS485					
Noise	≤40dB					
Operating Temperature	-20°C~+50°C					
Storage Temperature	-40°C~+75°C					
Humidity	0~90%RH (no condense)					
Altitude	0~3000m					
Mechanical Protection	IP21					
Dimension L*D*H	168x66x240mm		168x70x300mm		180x84x270mm	
Net weight	2.3kg		2.5kg		2.6kg	

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