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# TitanPlus MPPT solar charge controller



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# TitanPlus Series MPPT Controller — 96V System

## Introduction:

This is a max power point tracking function with high efficiency MPPT charge controller. It has many advantages such as self cooling, system voltage auto recognition, wide range of PV input, charge for all kinds of batteries, automatic discharge control, RS 485 / LAN communication function and so on. It is the most high-end product in solar market.

## Feature:

- ◆ MPPT control
- ◆ Memory function
- ◆ 96V battery system
- ◆ Charge mode: fast charge ,constant charge ,floating charge
- ◆ Most information could be provide by LCD and LED
- ◆ RS485 and LAN communication port
- ◆ computer software show work status and set parameters of the discharge system



## Technical data

Model	TP40-96	TP50-96
Charge Mode	Maximum Power Point Tracking	
System Type	96V System	
Conversion Efficiency	≥97.5%	
PV Modules Utilization Rate	≥99.5%	
System recognize batteries Voltage Range	DC72V~120V	
Charging mode	Third order charge: constant current, constant pressure, floating charge	
<b>PV Input Characteristics</b>		
Max PV Input Voltage	DC 300V	
Start charging voltage	Higher than the current battery voltage of 20V	
Low Voltage Input Protection Point	Higher than the current battery voltage of 10V	
Max PV Power	4160W	5200W
<b>charge characteristic</b>		
Rate charge current	40A	50A
Temperature Compensation	-144mV/°C/96V (-3mV/°C/2V)	
<b>Physical</b>		
Type of Mechanical Protection	IP21	
Communication Method	RS485,RS232(Optional)/LAN	
Protection	PV input low voltage / under voltage protection; PV input anti-reverse protection; Battery anti-reverse protection; battery overvoltage / over discharge protection; Temperature protection;	
Measurement D*W*H	102*420*280mm	
Net Weight	8Kg	
<b>Environment</b>		
Operating Temperature	-20°C~+40°C	
Storage Temperature	-40°C~+75°C	



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