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# TitanPlus MPPT solar charge controller



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# TitanPlus Series MPPT Controller

## 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
- ◆ 12V/24V/48V battery system automatic recognition
- ◆ Charge mode: fast charge ,constant charge ,floating charge
- ◆ Most information could be provide by LCD and LED
- ◆ RS485and LAN communication port
- ◆ computer software show work status and set parameters of the discharge system



## Technical data

Model		TP80	TP100
Charge Mode	Maximum Power Point Tracking		
System Type	DC12V/24V/36V/48V SYS	Automatic recognition	
Conversion Efficiency	DC12V/24V/36V/48V SYS	≥96.5%	
PV Modules Utilization Rate	DC12V/24V/36V/48V SYS	≥99%	
12V/24V/36V/48V system recognize batteries Voltage Range		DC9V~15V/18V~28V/32V~40V/42V~60V	
PV Input Characteristics			
MPPT Working Voltage and Range	12V/24V/36V/48V	DC16V~150V/30V~150V/45V~150V/60V~150V	
Low Voltage Input Protection Point	12V/24V/36V/48V	DC22V/34V/50V/65V	
Input Overvoltage Protection Point	DC12V/24V/36V/48V	DC150V	
Low Voltage Input Recovery Point	DC12V/24V/36V/48V	DC145V	
Max PV Power	12V system	1136W	1420W
	24V system	2272W	2840W
	36V system	3408W	4260W
	48V system	4544W	5680W
Discharge characteristic			
Constant Voltage	DC12V/24V/36V/48V	Please check the charge voltage according to the battery type form	
Floating Charge current	DC12V/24V/36V/48V		
Rate charge current	DC12V/24V/36V/48V	80A	100A
Current-limiting Protection	DC12V/24V/36V/48V	85A	105A
Temperature Factor	DC12V/24V/36V/48V	±0.02%/°C	
Temperature Compensation	DC12V/24V/36V/48V	14.2V-(The highest temperature-25°C)*0.3	
Max discharge current	DC12V/24V/36V/48V	100A	
Physical			
Type of Mechanical Protection		IP21	
Environment			
Operating Temperature		-20°C~+40°C	
Storage Temperature		-40°C~+75°C	

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