

EverExceed[®]
power your applications

TitanPlus MPPT solar charge controller



www.everexceed.com



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 232 / 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
- ◆ RS232 and 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	DC 12V/24V/36V/48V SYS	Automatic recognition	
Conversion Efficiency	DC 12V/24V/36V/48V SYS	≥96.5%, ≤99%	
PV Modules Utilization Rate	DC 12V/24V/36V/48V SYS	≥99%	
12V/24V/36V/48V system recognize batteries Voltage Range	DC 9V~15V/18V~28V/32V~40V/42V~60V		
PV Input Characteristics			
MPPT Working Voltage and Range	12V/24V/36V/48V	DC 16V~150V/30V~150V/45V~150V/60V~150V	
Low Voltage Input Protection Point	12V/24V/36V/48V	DC 22V/34V/50V/65V	
Input Overvoltage Protection Point	DC 12V/24V/36V/48V	DC 150V	
Low Voltage Input Recovery Point	DC 12V/24V/36V/48V	DC 145V	
Max PV Power	12V system	1136W	1420W
	24V system	2272W	2840W
	36V system	3408W	4260W
	48V system	4544W	5680W
Discharge characteristic			
Constant Voltage	DC 12V/24V/36V/48V	Please check the charge voltage according to the battery type form	
Floating Charge current	DC 12V/24V/36V/48V		
Rate charge current	DC 12V/24V/36V/48V	80A	100A
Current-limiting Protection	DC 12V/24V/36V/48V	85A	105A
Temperature Factor	DC 12V/24V/36V/48V	±0.02%/°C	
Temperature Compensation	DC 12V/24V/36V/48V	14.2V-(The highest temperature-25°C)*0.3	
Max discharge current	DC 12V/24V/36V/48V	100A	
Physical			
Type of Mechanical Protection	IP21		
Environment			
Operating Temperature	-20°C~+40°C		
Storage Temperature	-40°C~+75°C		

EverExceed[®]

power your applications



EVEREXCEED CORPORATION

Address: 3 Floor, Haowei Building, No.2 Technology North Road, High & New Technology park, Nanshan District, Shenzhen, China

Tel: +86 -755 - 21638065

Web: www.everexceed.com

