

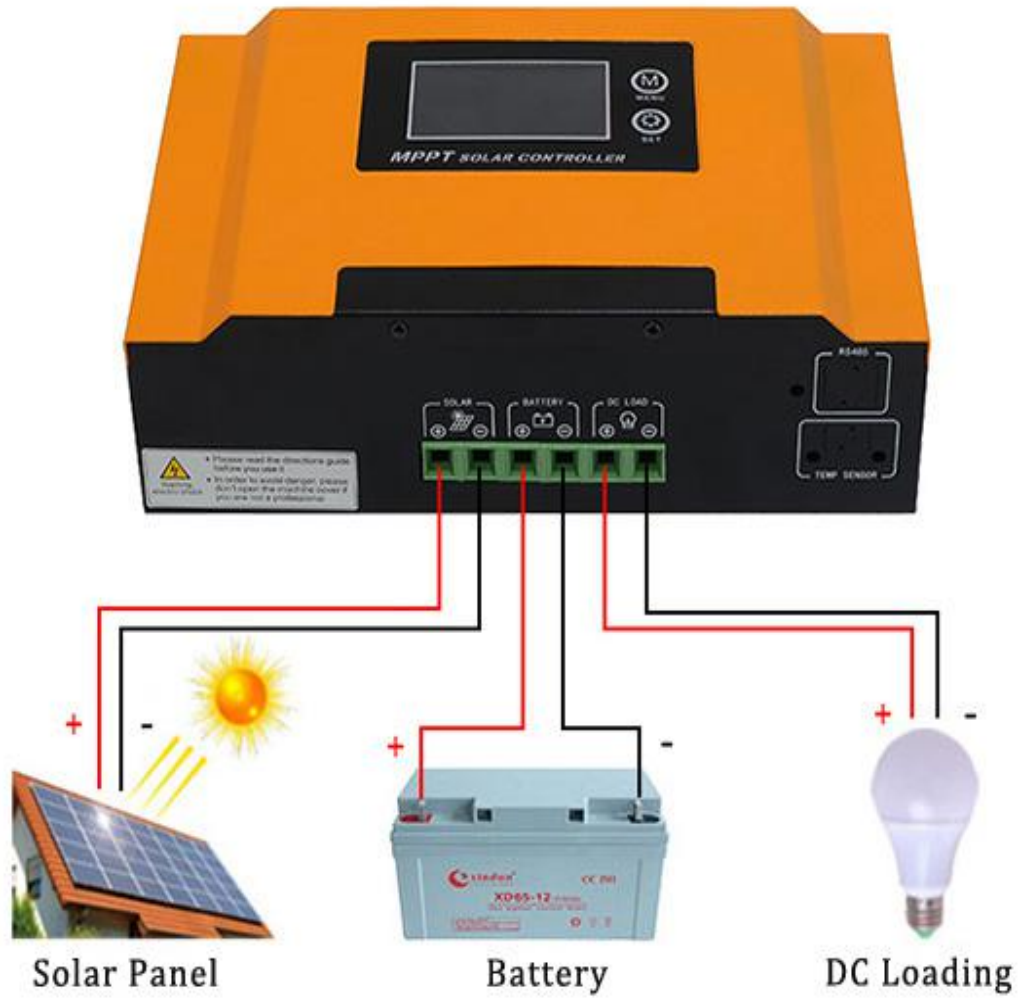
WT Low Voltage MPPT Solar Charge Controller (10A-100A)

Feature :

- ◆ Advanced MPPT tracking, 99% tracking efficiency. Compared with PWM, the generating efficiency increase near 20% ;
- ◇ LCD display PV data and chart simulates power generation process ;
- ◆ Multiple working modes to adapt different working occasion ;
- ◇ Wide PV input voltage range, convenient for system configuration ;
- ◆ Intelligent battery management function, extend battery life ;
- ◇ 12V/24V/48V automatic recognition, users are more flexible and convenient to use.



System Application Diagram



Product Parameters

Model: WT	150/10 , 150/20, 150/30	150/40 , 150/50, 150/60	150/80 , 150/100
Rated Current	10A/20A/30A	40A/50A/60A	80A/100A
Rated System Voltage	12V/24V/48 auto recognition		
Max PV Input Voltage (At the lowest ambient temperature)	150V		
MPPT Tracking Voltage Range	12V system : 15V-120V ; 24V system : 30V-120V ; 48V system : 60V-120V		
Recommended operating voltage range	12V system : 15V-20V ; 24V system : 30V-40V ; 48V system : 60V-80V		
PV array Max power	12V system: 140W/280W/420W/560W/700W/840W/1120W/1400W; 24V system: 280W/560W/840W/1120W/1400W/1680W/2240W/2800W; 48V system: 560W/1120W/1680W/2240W/2800W/3360W/4480W/5600W		
Battery Type	Lead acid battery, deep cycle battery, gel battery etc(Battery type base on user charge specification)		
Floating Voltage	13.8V/Single battery		
Charge Voltage	14.2V/Single battery		
Charging Protection Voltage	15V/Single battery		
Promote recovery voltage	13.8V/Single battery		
Recovery voltage after low voltage disconnect	12.5V/Single battery		

Discharge Limited voltage	10.5V/Single battery		
Temperature Compensation Coefficient	-3mV / °C / 2V (25°C is base line) (Optional)		
Charging Mode	MPPT maximum power point tracking		
Charging Method	Three stages: constant current(MPPT); constant voltage; floating charge		
Protection	Over-voltage/under-voltage/over-temperature/PV anti-reverse protection		
Conversion Efficiency	>98%		
MPPT Tracking Efficiency	>99%		
Machine Size(L*W*Hmm)	185*135*65	240*143*74	280*180*100
Package Size(L*W*Hmm)	235*185*116 (1pc) 383*249*246 (4pcs)	290*203*126 (1pc) 419*304*266 (4pcs)	330*240*153 (1pc) 487*345*166 (2pcs)
N.W(kg)	1.15 (1pc)	1.8 (1pc)	3.7 (1pc)
G.W.(kg)	1.35 (1pc)	2 (1pc)	4.0 (1pc)
System Parameter			
Display	LCD		
Thermal Method	Cooling fan in intelligent control		

Type Of Mechanical Protection	IP20
Operating Temperature	-15°C~+50°C
Storage Temperature	-20°C~+60°C
Elevation	2000m(Dreating above 2000m)
Humidity	5%~95%(No condensation)
Communication	RS232/RS485(Optional)
Note: All specifications are subject to change without prior notice	

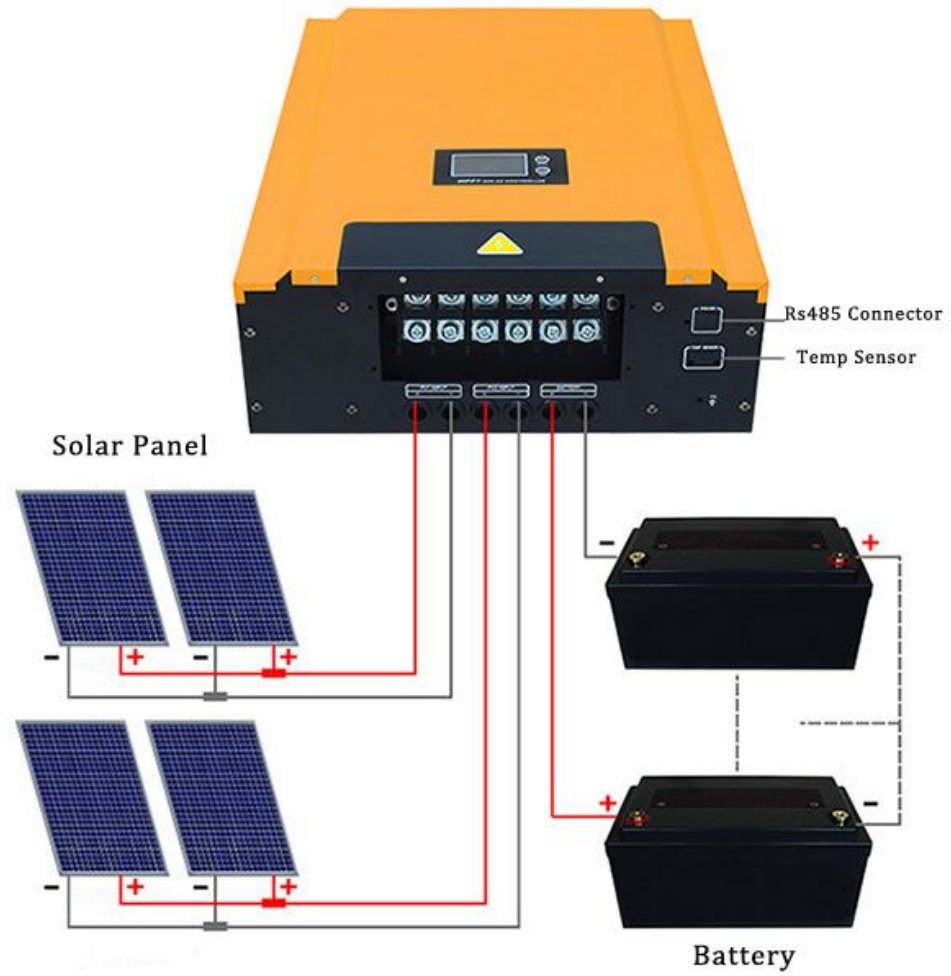
WT High Voltage MPPT Solar Charge Controller (50A/100A)

Feature :

- ◆ Advanced MPPT tracking, 99% tracking efficiency. Compared with PWM, the generating efficiency increase near 20% ;
- ◇ LCD display PV data and chart simulates power generation process ;
- ◇ Wide PV input voltage range, convenient for system configuration ;



System Application Diagram



Product Parameters

Model: WT	96/50	96/100	192/50 , 216/50 , 240/50 , 384/50	192/100 , 216/100 , 240/100 , 384/100
Rated Current	50A	100A	50A	100A
Rated System Voltage	96V	96V	192V/216V/240V	384V
Max PV Input Voltage (At the lowest ambient temperature)	300V(96V system) / 450V(192V/216V system) /500V(240V system) / 800V(384V system)			
PV array Max power	5.6KW	5.6KW*2	11.2KW/12.6KW/14KW/22.4KW	11.2KW*2/12.6KW*2/14KW*2/22.4KW*2
MPPT Tracking Voltage Range	Battery voltage~240V(96V system) / Battery voltage~360V(192V/216V system) / Battery voltage~400V (240V system) /Battery voltage~640V(384V system)			
MPPT route number	1	2	1	2
Recommended operating voltage range	120V-160V(96V system); 240V-320V(192V system); 270V-320V(216V system); 300V-350V(240V system); 480V-560V(384V system)			
Battery Type	Lead acid battery, deep cycle battery, gel battery etc(Battery type base on user charge specification)			
Floating Voltage	110.4V/220.8V/248.4V/276V/441.6V			
Charge Voltage	113.6V/227.2V/255.6V/284V/454.4V			
Charging Protection Voltage	120V/240V/270V/300V/480V			
Promote recovery voltage	105.6V/211.2V/237.6V/264V/422.4V			

Temperature Compensation	-3mV / °C / 2V (25°C is base line) (Optional)					
Charging Mode	MPPT maximum power point tracking					
Charging Method	Three stages: constant current(MPPT); constant voltage; floating charge					
Protection	Over-voltage/under-voltage/over-temperature/PV&Battery anti-reverse protection					
Conversion Efficiency	>98%					
MPPT Tracking Efficiency	>99%					
Machine Size(L*W*Hmm)	315*250*108		460*330*140		530*410*162	
Package Size(L*W*Hmm)	365*310*164(1PC) / 376*321*343(2PCS)		509*405*215		598*487*239	
N.W(kg)	4.5(1PC)	5.6(1PC)	13.5	15	22.6	26.5
G.W.(kg)	5.2(1PC)	6.3(1PC)	15	16.5	24.6	28.5
System Parameter						
Display	LCD					
Thermal Method	Cooling fan in intelligent control					
Type Of Mechanical Protection	IP20					

Operating Temperature	-15°C~+50°C
Storage Temperature	-20°C~+60°C
Elevation	<5000m(Dreating above 2000m)
Humidity	5%~95%(No condensation)
Communication	RS232/RS485(Optional)

Note: All specifications are subject to change without prior notice