

**A:time(evening working) B:time(pause working) C:time(dawn working)**

This is a compatible MPPT charge controller PWM intelligent / efficient / energy saving, he not only has efficient MPPT controller charging function to automatically track the maximum power point, 10% -30% higher than the ordinary controller charging efficiency, also has standby energy saving, more than 30% energy than ordinary controller, the standby power consumption of only 10mA-15mA.

**Product introduction:**

LCD screen display	Battery reverse discharge protection
Easy operation interface	Battery reverse polarity protection
MPPT+ PWM charging mode	Battery under voltage protection
Parameter user can reset Overload	Short-circuit protection
A key to restore the factory settings	USB 5V charging (for 500mA) for mobile phone(Only for
A key to open and close the load	Automatic temperature compensation function

**Dual Timer function**

Three time periods set; (cases)

Warning : (If(night) setting(00H)or(24H), (time interval and dawn) would prohibit these two time periodsset))

Evening 00H	Interval --H	Dawn --H
After dark (night) open workload until dawn (dawn) load stops working,		
Evening 24H	Interval --H	Dawn --H
Normally open mode, the load has been working until the battery(undervoltage) automatic protection, load stop working;		
Evening 01H	Interval 00H	Dawn 00H
Interval and Dawn are set to 00H,after dark 1H off load after load of work (can set)		
Evening 23H	Interval 00H	Dawn 00H
Interval and Dawn are set to 00H,after dark 23H off load after load of work (can set)		
Evening 05H	Interval 07H	Dawn 03H
(Evening) work load 5H, (interval) to stop supplying the load 7H, (Dawn) work load 3H (can set)		

**Data Sheet:**

Parameters / Model	T10	T20	T30
Maximum power current	12A	20A	30A
Installation Lin mm2	4mm2	8mm2	10mm2
Installation Line(AWG)	10(AWG)	8(AWG)	7(AWG)
Weight	280g	300g	475g
Dimensions	143×89×46 mm		187*97*61 mm
System load loss	≤13mA		
Loop Buck	≤100mV		

**Specification:**

Battery float voltage	13.8V 12V system /27.6V 24V system
Battery (under voltage) protection	10.6V 12V system /21.2V 24V system
Battery (under voltage) recovery voltage	12.6V 12V system /25.2V 24V system
Charge mode	MPPT+PWM MODE
Operating Temperature	-10~60°C
Storage Temperature	-30~70°C
Humidity requirements	≤90%, No condensation
Temperature compensation	-4mV/Cell/°C
Temperature Probe (built components)	NTC 100K thermistats
Maximum open circuit voltage of the solar panel	18V-24V 12V system 36V-48V 24V system)
Solar panels maximum open circuit voltage (V)	≤48V

**(Cases) 12V system standard configuration**

The peak voltage of the solar cell panel	18V-25V	18V-25V	18V-25V	18V-25V
Peak power of solar cell panel	50W-130W	100W-260W	200W-380W	≤500W

Model	T10	T20	T30	T40
Battery standard voltage	12V	12V	12V	12V
Battery capacity	≥100AH	≥200AH	≥300AH	≥400AH
Installation Lin mm <sup>2</sup>	4mm <sup>2</sup>	8mm <sup>2</sup>	10mm <sup>2</sup>	12mm <sup>2</sup>
Installation Line(AWG)	10(AWG)	8(AWG)	7(AWG)	6(AWG)

