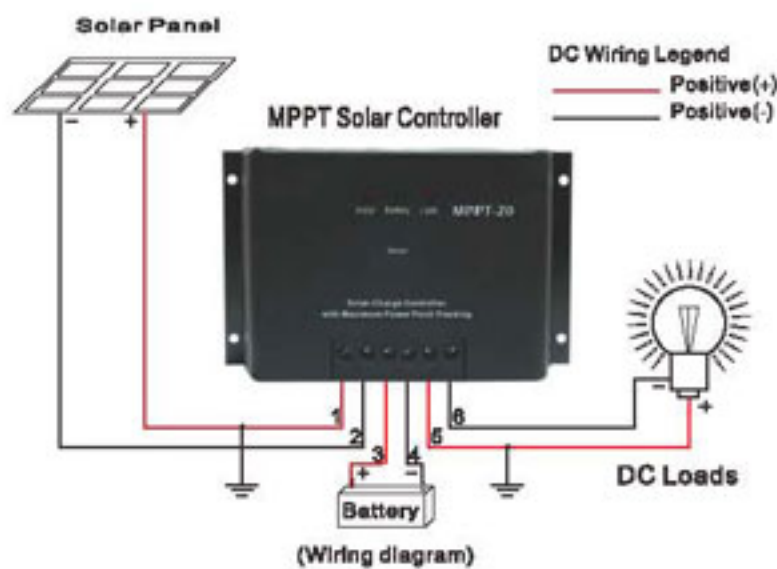


Overview

The most important feature of this MPPT Solar Controller is intelligent tracking input voltage from Solar Panel, which could let Solar Panel always working at Maximum Power Point of V-A curve. Compared with normal Solar Charge Controller, this MPPT Solar Controller could increase 10%-30% electrical power using efficiency from Solar Panel.

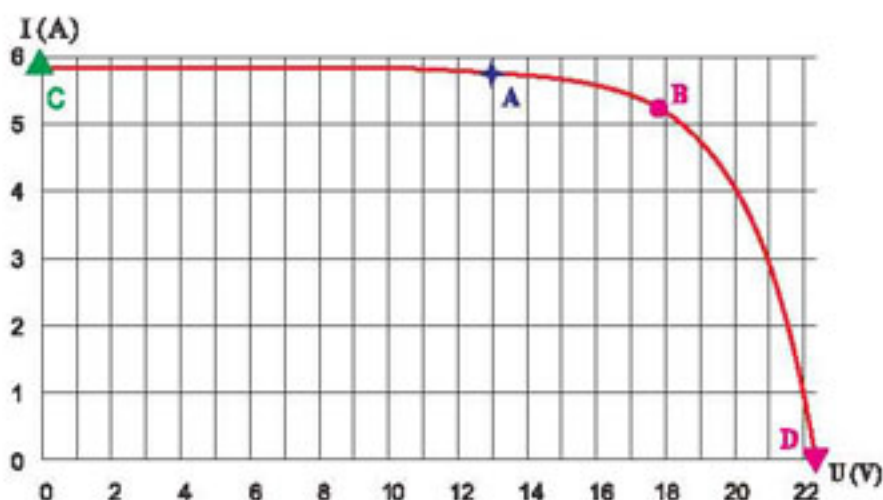
Feature

- ▶ Overloading protection (automatic reset)
- ▶ Short circuit protection(automatic reset)
- ▶ Reverse current protection
- ▶ Reverse polarity protection(automatic reset)
- ▶ Lighting protection
- ▶ Over discharge protection
- ▶ Overcharge protection
- ▶ The thermal compensation

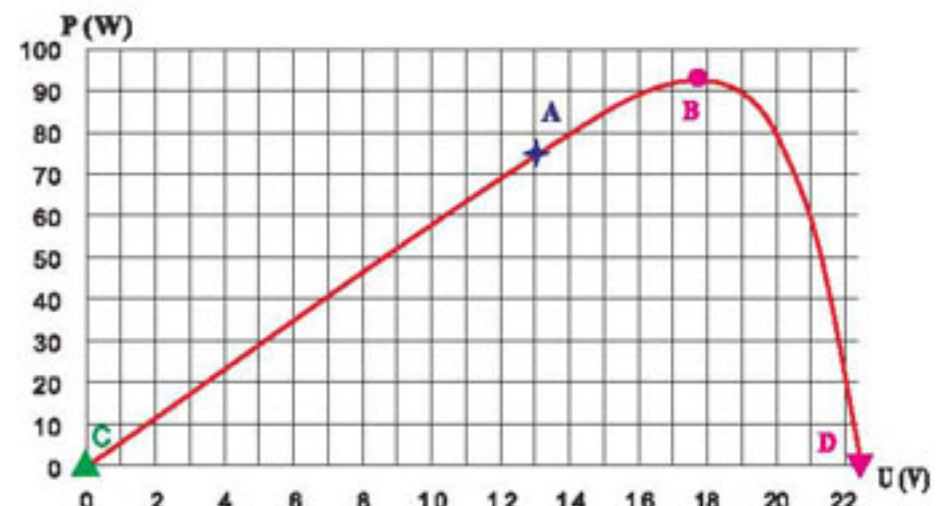


MPPT1024Z-10A

MPPT2024Z-20A



Voltage-Current Curve



Voltage-Power Curve

Technical Data

Model	MPPT1024Z-10A	MPPT2024Z-20A
Maximum charging current	10A	20A
Maximum PV voltage	≤70V	
MPPT voltage range	12V-70V(12V)/24V-70V(24V)	
System voltage	12V/24V auto.	
No load loss	≤15mA	
Charging control mode	3 stage(bulk, absorption, float)	
Float charging voltage	13.8V/27.6V	
Absorption voltage	14.4V/28.8V(for 2hours)	
Temperature compensation	-4mV/cell/°C	
Battery type	Lead acid(GEL, AGM, Flooded)	
Maximum efficiency	97%	
Human interface	LED display, button	
Cooling style	Passive cooling	
Ambient temperature range	-10-50°C	
Humidity	0-90%, no condensation	