

## MPPT Solar Charge Controller Wiser Series 12V/24Vdc 15amp - 50amp

### Key Features

High efficiency MPPT control algorithm, MPPT efficiency  $\geq 99.5\%$ , whole Machine conversion efficiency upto 98%; 12V/24V system Automatic Recognition, users can use it in different system conveniently.  
 Maximum PV input voltage: 100VDC(15A, 20A), 150VDC (30A, 40A, 50A)  
 Charge mode: three stages (fast charge, constant charge, floating charge). It prolongs service life of the batteries.  
 Discharge mode: ON/OFF mode, PV voltage control mode.  
 Recommended battery types: sealed lead acid, vented, gel, NiCd battery. Other types of the batteries can also be defined.  
 Most information could be provide by LCD like: model No., PV input voltage, battery type, battery voltage, charging current, charging power, working status and so on. Also customer's information like company name, website and logo can be added into Solar Eagle software.  
 RS232 communication, we can offer communication protocol also, it's convenient for user's integration management.  
 CE, RoHS, FCC certifications approved.. We can help clients to approve other certifications.  
 2 years warranty. And 3~10 years extended warranty service also can be provided.



### Technical Specification

Model :	15A	20A	30A	40A	50A	
<b>Wiser 12V/24V-Series</b>						
Charge mode	MPPT(maximum power point tracking)					
MPPT efficiency	$\geq 96.5\%$ , $\leq 99.5\%$					
System type	DC12V/24V system	Automatic Recognition				
<b>INPUT CHARACTERISTICS</b>						
PV Max PV input voltage ( VOC )	12V/24V system	DC100V	DC150V			
Start the charging voltage point	12V system	18V				
	24V system	32V				
High input voltage protection point	12V/24V system	DC100V	DC150V			
High input voltage recovery point	12V/24V system	DC95V	DC145V			
Rated PV power	12V system	200W	260W	390W	520W	650W
	24V system	400W	520W	780W	1040W	1300W
<b>CHARGE CHRECTRESTICS</b>						
Selectable Battery Types	12V/24V system	Sealed lead-acid batteries, Vented batteries Gel, NiCd battery (Other types of the batteries also can be defined)				
Charge method	12V/24V system	Three stages charge: constant current(MPPT), constant voltage, floating charge				
Charge rated current	12V/24V system	15A	20A	30A	40A	50A
<b>OUTPUT DISCHARGE CHARACTERISTICS</b>						
USB (Total for 2USB output)	DC5V 3A					
LOAD output voltage	Based on battery voltage					
Rated output current	15A	20A	30A	40A	50A	
Output control mode	ON/OFF mode, PV voltage control mode					
Output control set way	Controller button or PC software					
<b>DISPLAY</b>						
LCD Display	System type, PV voltage, charge voltage, charging current, charging power, temperature etc.					
PC software	RS232					
<b>OTHER PARAMETERS</b>						
Protection function	Yes (Over voltage, low voltage, over temperature, over load, Short circuit protection etc.)					
Cooling mode	Auto cool					
Type of Mechanical Protection	IP 30					
Measurement DxWxH (mm)	200*110*66		243*155*79			
Packing DxWxH (mm)	249*144*105		289*189*113			
N.W. (KG)	0.9		1.8			
G.W. (KG)	1.3		2.2			

\*Specifications are subject to change without prior notice