MPPT 15A-25A-30A-40A SOLAR CHARGE CONTROLLER



This is a MPPT (maximum Power Point Tracking) smart solar controller, with charging and discharging function, increasing 30%~60% efficiency than traditional PWM controller. It has automatic recognition function, three Stages charging function to protect battery, it also supports many kinds of battery charging and discharging, RS232 communication etc, It's our company's MPPT solar controller SMART series.

Features

- MPPT charge mode, conversion efficiency up to 99%
- 12V/24V/48V system auto recognize
- Wide range of PV input with max is DC100V
- Memory function, Save setting function: date, time, generating capacity record and so on
- Selected battery types: sealed lead acid, vented, gel, NiCd battery. Other types of the batteries can also be defined.
- RS232 communication, and that providing communication protocol, it's convenient for customer's integration management.
- 2 years warranty. Extended 3~10
- Display Led/LCD
- Noise: ≤40dB
- Type of Mechanical protection: IP25
- Charge type: three stages charge fast charge(MPPT), constant voltage charge, floating charge, protecting our battery, leading to a long use age.
- It has three patterns: discharge type owns always on pattern and always off pattern, it also has PV voltage solar controlling switch pattern.
- Clients can select any one in the 4 kinds of commonly used batteries, such as sealed lead acid, vented, Gel, NiCd; Also we can customize other batteries wich you want.













MPPT SOLAR CHARGE CONTROLLER



TECHNICAL SPECIFICATION		15A	20A	25A	30A	40A	
Charge Mode		Maximum Power Point Tracking					
Discharge Mode		Intelligent control					
System Type		12V 24V 48V Automatic recognition					
Soft Start Time		<u>≤3</u> \$					
Dynamic Response Recovery Time		500us					
Conversion Efficiency		≥96.5%,≤99%					
PV Modules Utilization Rate		≥99%					
INPUT CHARACTERISTICS							
	MPPT Working 12V system		DC14V~DC100V				
Voltage and Range	24V system	DC30~DC100V					
vollage and Hange	48V system			C60~DC100			
Max. DC Voltage		Max. DC Voltage DC100V					
Input Overvoltage Protection Point		DC100V					
Max. PV Power	12V system	213W	284W	355W	426W	568W	
	24V system	426W	568W	710W	852W	1136W	
	48V system	852W	1136W	1420W	1704W	2272W	
CHARGE CHARACT		332					
Selectable Battery	Sealed lead acid, vented, Gel, NiCd battery						
James, Types		(Default type is GEL battery)					
Other types of Battery Setting		Other types of the batteries also can be defined					
		The state of the s					
Battery Type Setting		12V/24V/-	12V/24V/48V SYS Controller and upper monitor			per monitor	
Charge Type		12V/24V/48V SYS Three Stages: Fast charge/Constant					
5 17F2		charge/Floating charge					
Rated Input Current		15A	20A	25A	30A	40A	
Current-limiting Protection		20A	25A	30A	35A	45A	
Output Ripples (peak)		200mV					
Output Voltage Stability Precision		≤±1.5%					
Charge voltage Peak-Peak Ripple		200mV					
Charger voltage accuracy		≤±1.5%					
DISCHARGE CHARA							
Output voltage		Base on battery voltage					
Rated output Current		30A					
Low voltage output		Default 10.5V; Recovery 11V;					
Protection point		Adjust by users is available;					
COMMUNICATION PORT							
RS232 Communication		Chose COM communication					
PHYSICAL							
Measurement DxWxH (mm)		205*168*60					
Safety		CE, ROHS, FCC					
N.G (kg) / G.N (kg)		1.8kg / 2kg					
Type of Mechanical Protection		IP21					
ENVIRONMENT							
Humidity		0~90%RH (no condense)					
Altitude		0~3000m					
Operating Temperature		-20°C ~ +50°C					
Storage Temperature		-40°C ~ +75°C					
Atmospheric Pressure		70~106kPa					