

High power MPPT Solar Charge Controller



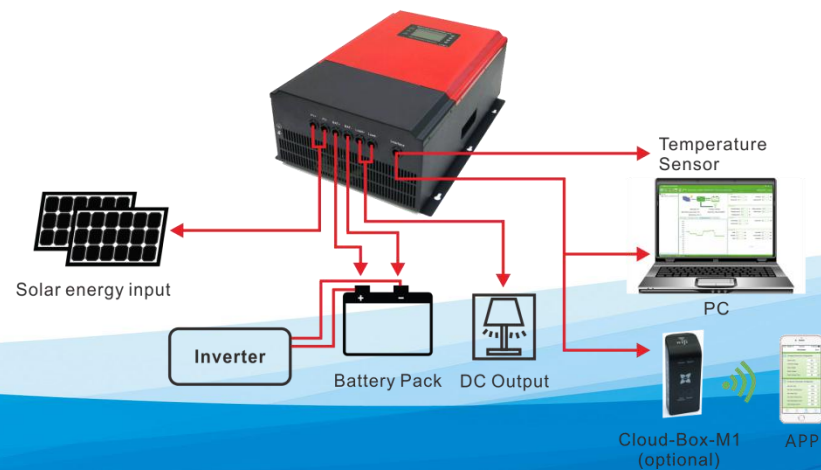
- ◆ It has an efficient MPPT algorithm, MPPT efficiency $\geq 99.5\%$, and converter efficiency up to 98%.
- ◆ Charge mode: three stages (constant current, constant voltage, floating charge), it prolongs service life of the batteries.
- ◆ Four types of load mode selection: ON/OFF, PV voltage control, Dual Time control, PV+Time control.
- ◆ Three kinds of commonly used lead-acid battery (Seal/Gel/Flooded) parameter settings can be selected by the user, and the user can also customize the parameters for other battery charging.
- ◆ It has a current limiting charging function. When the power of PV is too large, the controller automatically keeps the charging power, and the charging current will not exceed the rated value.
- ◆ Support multi-machine parallel to realize system power upgrade.
- ◆ High definition LCD display function to check the device running data and working status, also can support modify the controller display parameter.
- ◆ RS485 communication, we can offer communication protocol to convenient user's integrated management and secondary development.
- ◆ Support PC software monitoring and WiFi module to realize APP cloud monitoring.
- ◆ CE, RoHS, FCC certifications approved, we can assist clients to pass various certifications.
- ◆ 3 years warranty, and 3~10 years extended warranty service also can be provided.



Temperature Sensor



RS485-USB communication line (optional)



Galaxy	Series	Galaxy-B96			Galaxy-B192\Galaxy-B216 (220) \Galaxy-B240					Galaxy-B384	
	Power model	70A	80A	100A	50A	60A	70A	80A	100A	70A	80A
Product category	Controller Properties	MPPT (maximum power point tracking)									
	MPPT efficiency	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%
	System voltage	DC96V			DC192V\DC216V(DC220V)\DC240V					DC384V	
	Range of V _{identification}	DC72V~DC128V			DC144V~DC256V\DC162V~DC288V\DC180V~DC320V					DC288V~DC512V	
	Heat-dissipating method	Intelligent fan cooling									
Input Characteristics	Open circuit V _{max-pv}	DC430V			DC430V	DC430V	DC660V	DC660V	DC660V	DC850V	
	Start charge V _{start-pv}	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V	V _{bat} +20V
	Low protection V _{low-pv}	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V	V _{bat} +10V
	Over protection V _{over-pv}	DC430V	DC430V	DC430V	DC430V	DC430V	DC660V	DC660V	DC660V	DC850V	DC850V
	Rated PV power	7280W	8320W	10400	10400W\ 13000W	12480W\ 14040W	14560W\ 16380W	16640W\ 18720W	20800W\ 26000W	29120W	33280W
Charge Characteristics	Selectable Battery Types	Sealed lead acid, Gel battery, Flooded (Other types of the batteries also can be defined)-- Default Gel battery									
	Charge rated current	70A	80A	100A	50A	60A	70A	80A	100A	70A	80A
	Charge Method	3-Stage: constant current(fast charging)-constant voltage-floating charge									
LOAD Characteristics	Load voltage	The same as the battery voltage			The same as the battery voltage		-	-	-	-	-
	Load rated current	70A	80A	100A	50A	60A	-	-	-	-	-
	Load control mode	On/Off mode, PV voltage control mode, Dual-time control mode, PV + Time control mode					-	-	-	-	-
Display & Communication	Display mode	LCD128*64 dots/ backlight display									
	Communication mode	8-pin RJ45 port/RS485/support PC software monitoring/support WiFi module to realize APP cloud monitoring									
Other Parameters	Protect function	Input-output over \ under voltage protection, Prevention of connection reverse protection etc.									
	Operation Temperature	-20°C~+50°C									
	Storage Temperature	-40°C~+75°C									
	IP(Ingress protection)	IP21									
	Net Weight (kg)	14.7kg			14.7kg		18.8kg			18.8kg	
	Gross Weight (kg)	16.6kg			16.6kg		20.6kg			20.6kg	
	Product Size (mm)	371*500*187			371*500*187		391*500*227			391*500*227	
Packing Size(mm)	590*420*270			590*420*270		590*440*320			590*440*320		