High Power and Voltage 96V 192V 216V 240V 384V MPPT solar controller



GALAXY series is a Maximum Power Point tracking(MPPT) function with high efficiency MPPT charge controller that many advantages such as wide rang of PV input, charger voltage can be set, RS485 or RS232 (optional) and LAN communication port. Modular design, Small volume, light weight, high conversion efficiency. It is the most high-end product in solar market.



Model	Battery system	Max. PV input voltage	Rated current
GALAXY-B96-XXA	96V∏8*12V)	430V	70A;80A
GALAXY-B192-XXA	192V[]16*12V[]		
GALAXY-B216[220[]-XXA	216V[]18*12V[]	430V	50A;60A
GALAXY-B240-XXA	240V[]20*12V[]		
GALAXY-B384-XXA	384V[]32*12V[]	850V	70A;80A

Feature

- 1.It has an efficient MPPT algorithm, MPPT efficiency ≥99.5% and converter efficiency up to 98%.
- 2.Charge mode: three stages (constant current, constant voltage, floating charge), it prolongs service life of the batteries.
- 3. Four types of load mode selection: ON/OFF, PV voltage control, Dual Time control, PV+Time control.
- 4.Three kinds of commonly used lead-acid battery (Seal\Gel\Flooded) parameter settings fcan be selected by the user, and the user can also customize the parameters for other battery charging.
- 5.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.
- 6. Support multi machine parallel to realize system power upgrade.
- 7. High definition LCD display function to check the device running data and working status, also can support modify the controller display parameter.
- 8.RS485 communication, we can offer communication protocol to convenient user's integrated management and secondary development.
- 9. Support PC software monitoring and WiFi module to realize APP cloud monitoring.
- 10.CE, RoHS, FCC certifications approved, we can assist clients to pass various certifications.
- 11.3 years warranty, and 3~10 years extended warranty service also can be provided.

PC software, Monitoring software, display and set the parameter



PC software

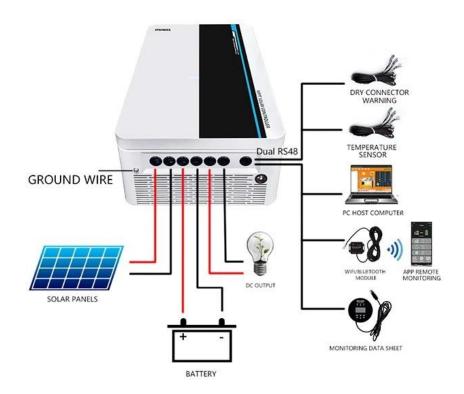
Display charge and discharge status, PV voltage, Charge voltage, Charge current etc. And the related parameter can be set.

parameter []

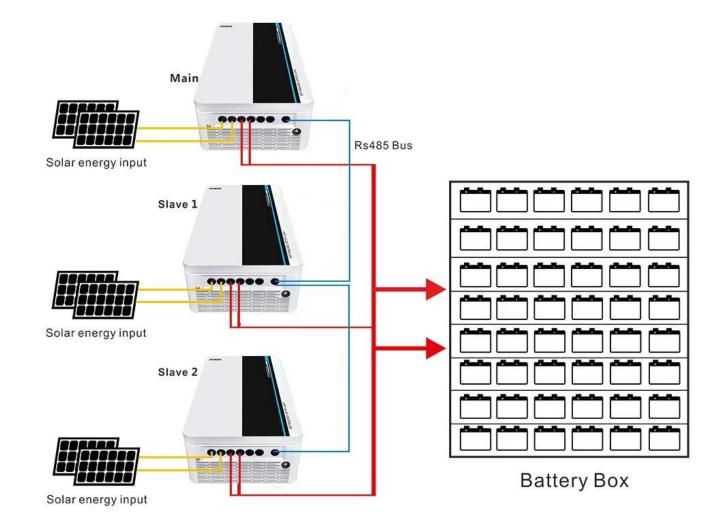
GALAXY	Series		B96			B192∖	B216∏220[∖B240	
GALAXT	Power model	70A	A08	100A	50A	60A	70A	80A	100A
Product category	Controller Properties	MPPT (maximum power point tracking)							
	MPPT efficiency	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%
	System voltage		DC96V			C192V\DC	216V(DC22	0V)\DC240	V
	Range of Videntification	DC72V~DC128V			DC144V~DC256V\DC162V~DC288V\DC180V~DC320V				
	Heat-dissipating method		Intelligent fan cooling						
Input Characteristics	Open circuit Vmax-pv	DC430V			DC430V	DC430V	DC660V	DC660V	DC660V
	Start charge Vstart-pv	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V
	Low protection Vlow-pv		Vbat+10V	Vbat+10V	Vbat+10V	Vbat+10V	Vbat+10V	Vbat+10V	Vbat+10V
	Over protection Vover-pv	DC430V	DC430V	DC430V	DC430V	DC430V	DC660V	DC660V	DC660V
					10400W\	12480W\	14560W\	16640W\	20800W\
	Rated PV power	7280W 8320W	10400	11700W\	14040W\	16380W\	18720W\	23400W\	
					13000W	15600W	18200W	20800W	26000W
	Selectable Battery Types	Sealed	lead acid,		y, Flooded fined) Def			tteries also	can be
Charge Characteristics	Charge rated current	70A	80A	100A	50A	60A	70A	80A	100A
	Charging Method	3-Stage: constant current(fast charging)-constant voltage-floating charge					arge		
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 cont control mode, PV + Tim							
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							

	Protect function	Input-output over \ under voltage protection, Prevention of connection reverse protection etc.					
Other Parameters	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			
	Gross Weight (kg)	16.6kg	16.6kg	20.6kg			
	Product Size [mm[]	371*500*187	371*500*187	391*500*227			
	Packing Size(mm)	590*420*270	590*420*270	590*440*320			

System connection diagram



Parallel connection diagram



Remark: Above is company's standard parameters, any modify please check our official website.