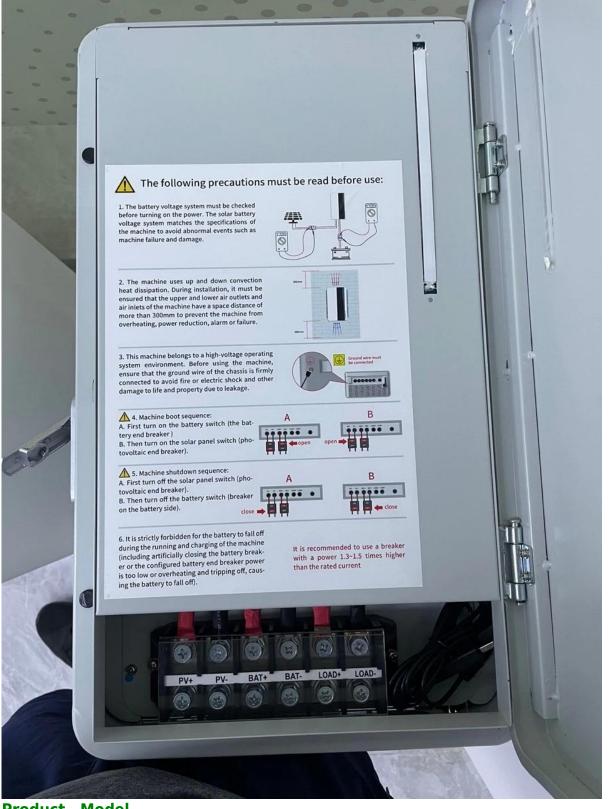
# High Power and Voltage 96V 192V 216V 240V 384V MPPT solar controller

GALAXY series is a Maximum Power Point tracking(MPPT) function with high efficiency MPPT charge controller [] It has 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.





## Product Model

Model	Battery system	Max. PV input voltage	Rated current
GALAXY-B96-XXA	96V <u>∏</u> 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  $\geq$  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.

	and the second second						
	Kunning State	Bat Farameter	s Ut Controller	Load Output Parameters Of Controller			
Port: COM1 🗸	Standby	Bat Category: FLD	System Volt.: (Auto)12 V				
dRate: 9600 🗸		C. V. Charge: 14.6 V	Float Charge: 13.8 V	OLoad Control Mode: On Mode			
	Real-time Data	Equalizing.V : 14.8 V	Equalizing T : 30 min				
ress : 1 🔍		Max.Chg Curr.: 60.0 A	Max. LoadCurr. : 30.0 A				
	PV Volt.: 0.1V	Battery Over: 15.0 V	Over Recover: 14.8 V				
ened CLOSE	BAT Volt.: 14.2V	Battery Low: 10.5 V	Low Recover: 11.0 V	ONote: If Vbat exceeds the protection, will turn of			
	LoadVolt.: 14.1V						
1	CHG Curr.: 0.0A		neters Set	Load Output Set			
CHECK ADDRESS	LoadCurr.: 0.4A	Select	Battery	Light Mode			
	CHG Power: OW	BatType: FLD ~	Sys. Volt. : Auto 🗸 🗸	On Load->PV Low: 30.0 V Off Delay: 10 min			
	LoadPower: 5W InnerTemp: 27.0°C	Max. CHG -I: 60.0 A		OffLoad->PV OK: 50.0 V Off Delay: 10 min			
STOP MONITOR	BAT Temp: 25.0°C	Max. Load-I: 30.0 A	SAVE				
	Alarm Tip: PV Low			Dual Timer Mode			
START EDIT	in an arg. a rate	- Lead Acid Battery(9~15V) -	Lithium Battery	Timer1->On Time: 18 : 30 Off Time: 21 : 30			
ornan abar		C.V. Charge: 14.4 V	Charge Volt.: 14.4 V	Timer2->On Time: 5 : 10 Off Time: 6 : 30			
	Electricity Statistics	Equalizing V: 14.6 V	NominalVolt.: 12.8 V				
SET TIME	Day CHG: 0.0kWh	Float Charge: 13.7 V	Battery Over: 15.0 V	Light-Time Mode			
	Month CHG: 0. OkWh	Equalizing, T: 30 min	Over Recover: 14.4 V	Dark>On Load->PvLow: 30.0 V On Hour: 17 H			
	Total CHG: 0.0kWh	Battery Over: 15.0 V	Battery Low: 7.5 V	Dawn>OffLoad=>Pv Ok: 50.0 V On Hour: 0 H			
RESTORE	Day Used: 0.5kWh	Over Recover: 14.8 V	Low Recover: 8.0 V				
	MonthUsed: 0.5kWh	Battery Low: 10.5 V		Load Mode Selection:			
DATA CORRECTTION	TotalUsed: 0.5kWh	Low Recover: 11.0 V	SAVE	On Mode SAVE			
State of the of							

### $\ensuremath{\mathsf{PC}}$ software, Monitoring software, display and set the parameter

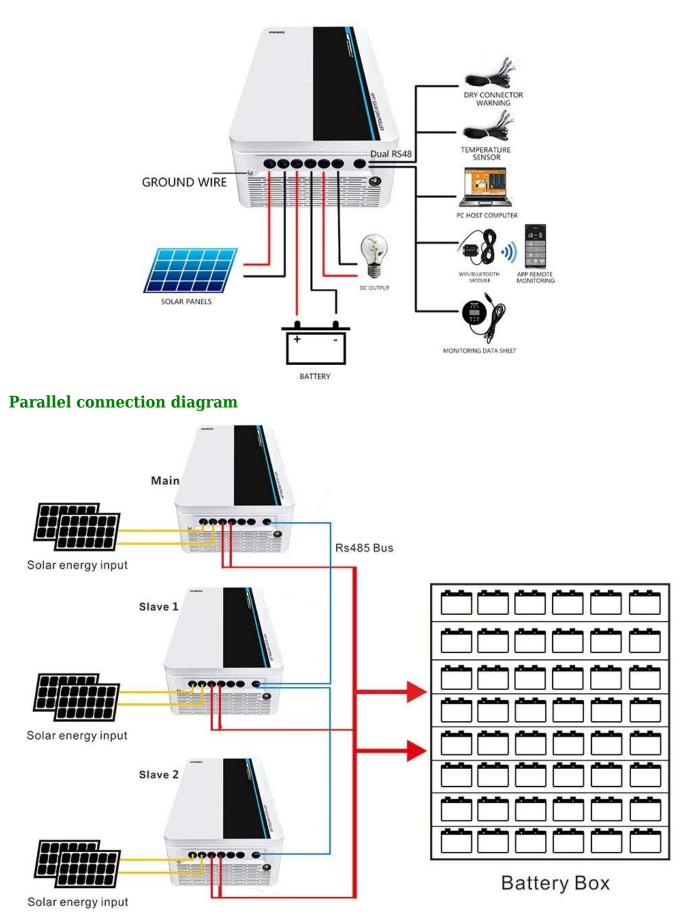
Display charge and discharge status, PV voltage, Charge voltage, Charge current etc. And the related parameter can be set.

## Parameter[]

GALAXY	Series		B96		B192\B216[]220[]\B240				
	Power model	70A	80A	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				DC192V\DC216V(DC220V)\DC240V					
	Range of Videntification		72V~DC12	28V	DC144V~DC256V\DC162V~DC288V\DC180V~DC320V					
	Heat-dissipating method		Intelligent fan cooling							
	Open circuit Vmax-pv		DC430V		DC430V	DC430V	DC660V	DC660V	DC660V	
loput	Start charge Vstart-pv	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	Vbat+20V	
Input Characteristics	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,			(Other type ault Gel ba		tteries also	can be	
Charge Characteristics		70A	80A	100A	50A	60A	70A	80A	100A	
	Charging Method	3-Stage: constant current(fast charging)-constant voltage-floating charge						arge		
	Load voltage	The same as the battery voltage			e as the voltage					
LOAD Characteristics		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								
	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								
Other Parameters	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[]	3	71*500*18	37	371*500*187 391*500*2		391*500*22	27		
	Packing Size(mm)	5	90*420*27	70	590*42	20*270	590*440*320			

System connection diagram



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