High power and voltage 96v 192v 216v 240v 384v Solar controller MPPT MPPT



The Galaxy series is a maximum power point monitoring function (MPPT) with high -efficiency MPPT controller mas has many advantages such as the large photovoltaic input, it is possible to set the voltage of the charger, RS485 or RS232 (optional) eCommunication door Lan.design modular, small volume, light weight, high conversion efficiency. It is the high -end product in the solar market.





Product model

Model	Battery system	Max. Photovoltaic input intention	Nominal current
Galaxy-B96-XXA	96V []8*12V)	430V	70a;80th
Galaxy-B192-XXA	192v []16*12v[]		
Galaxy -B216 [220] -xxa	216v []18*12v[]	430V	50a;60th
Galaxy-B240-XXA	240V []20*12V[]		
Galaxy-B384-XXA	384V []32*12V[]	850V	70a;80th

Characteristic

1.A has an efficient MPPT algorithm, MPPT efficiency \geq 99.5% and efficiency of the converter up to 98%.

2. Charge mode: three phases (constant current, constant voltage, mobile charge), extends the duration of the batteries.

3. Four types of load mode selection: on/off, control of photovoltaic voltage, double -time control, PV+time control.

4. Prepreter me settings of the commonly used lead lead parameters (seal gel flood) Fance are selected by the user and the user can also customize the parameters for other battery charging.

5. It takes a current limiting top -up function. When the power of the photovoltaic is too large, the controller automatically maintains the charging power and the charging current will not exceed the nominal value.

6. Suport Multi - Machine Parallel to create the system power supply.

7. High definition LCD display function to also check the data in execution of the device and the state of work, it can also support modify the controller display parameter.

8.RS485 communication, we can offer a communication protocol to the comfortable integrated management of the user and secondary development.

9.Support PC software monitoring and wifi module to create the cloud app monitoring.

10.ce, Rohs, approved FCC certifications, we can help customers pass various certifications.

11.3 years of guarantee and 3 \sim 10 years an extensive guarantee service may also be provided.

PC software, monitoring software, view and set the parameter

	Running State	Bat Parameters Of Controller	Load Output Parameters Of Controller
	manning brare		Louis output fur instants of controliter
Port: COM1 ~	Standby	Bat Category: FLD System Volt.: (Auto)12 V	
HRate: 9600 🗸		C. V. Charge: 14.6 V Float Charge: 13.8 V	OLoad Control Mode: On Mode
	Real-time Data	Equalizing.V : 14.8V 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 o
	LoadVolt.: 14.1V		
	CHG Curr.: 0.0A	Bat Parameters Set	Load Output Set
CHECK ADDRESS	LoadCurr.: 0.4A	Select Battery	Light Mode
	CHG Power: OW	BatType: FLD V Sys.Volt.: Auto V	On Load->PV Low: 30.0 V Off Delay: 10 min
	LoadPower: 5W	Max. CHG -I: 60.0 A	OffLoad->PV OK: 50.0 V Off Delay: 10 min
STOP MONITOR	InnerTemp: 27.0°C BAT Temp: 25.0°C	Max. Load-I: 30.0 A SAVE	
	Alarm Tip: PV Low		Dual Timer Mode
START EDIT	ALARM 11D. IV LOW	- Lead Acid Battery(9~15V) - Lithium Battery	Timer1->On Time: 18 : 30 Off Time: 21 : 30
SIRRI EDII		C.V. Charge: 14.4 V Charge Volt.: 14.4 V	Timer2->On Time: 5 : 10 Off Time: 6 : 3
	Electricity Statistics	Equalizing.V: 14.6 V NominalVolt.: 12.8 V	
SET TIME	n ava o ol wi	Float Charge: 13.7 V Battery Over: 15.0 V	Light-Time Mode
	Day CHG: 0.0kWh Month CHG: 0.0kWh	Equalizing.T: 30 min Over Recover: 14.4 V	Dark>On Load->PvLow: 30.0 V On Hour: 17 1
	Total CHG: 0.0kWh	Battery Over: 15.0 V Battery Low: 7.5 V	Dawn>OffLoad->Pv Ok: 50.0 V On Hour: 0 1
RESTORE	Day Used: 0.5kWh	Over Recover: 14.8 V Low Recover: 8.0 V	
	MonthUsed: 0.5kWh	Battery Low: 10.6 V	Load Mode Selection:
	TotalUsed: 0.5kWh	Low Recover: 11.0 V SAVE	C1177
ATA CORRECTTION	0. 08 HA	SAVE	On Mode V

PC software

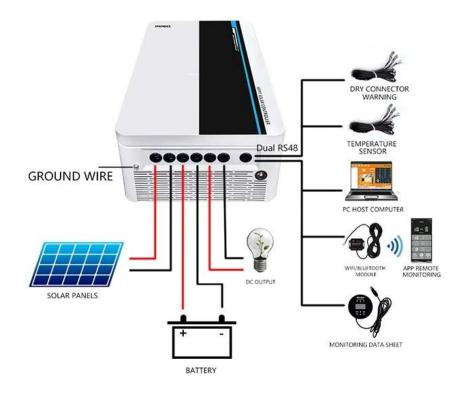
View state of charge and discharge, photovoltaic voltage, charge voltage, charge current etc.And the related parameter can be set.

parameter

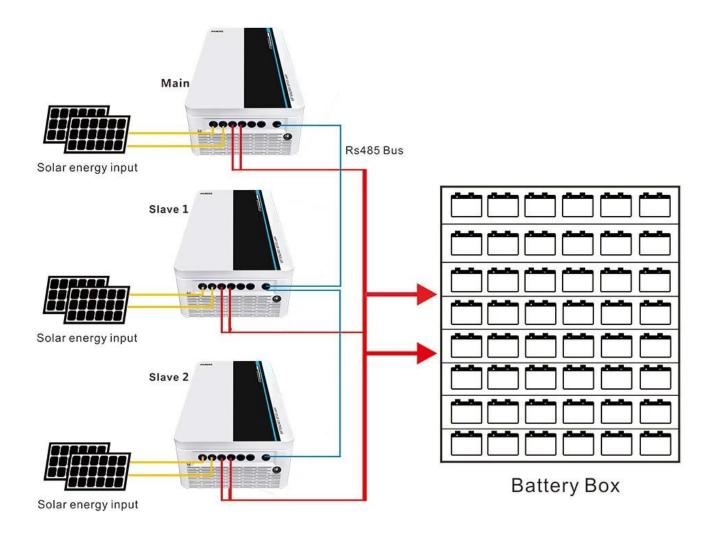
GALAXY	Series	B96			B192 B216 []220[] B240					
	Power model	70th	80th	100a	50th	60th	70th	80th	100a	
Product category	Property of the controller	MPPT (maximum tracking of the power point)								
	MPPT efficiency	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	≥98%	
	System voltage	DC96V			DC192V DC216V (DC220V) DC240V					
	Gamma of Videndification	DC7	2V ~ DC1	28V	DC144V ~ DC256V DC162V ~ DC288V DC180V ~ DC320V					
	Method that is dissipating of heat	Cooling of the intelligent fan								

Input features	Vmax-PV open circuit	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	
	With low protection Vlow-PV	Vbat+10v	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	
	Nominal photovoltaic power	7280w	8320W	10400	10400W 11700W 13000W	12480w 14040W 15600W	14560W 16380w 18200w	16640W 18720W 20800W	20800W 23400W 26000w	
Charge features	Selectable battery types				el battery, flooded (also other types of batteries)- gel battery can also be defined					
	Current classified in charge	70th	80th	100a	50th	60th	70th	80th	100a	
	Charging method	3 stadium	s: constan	t current (quick loadi	ng) -Caric I	to the flou	rishing of t	he voltage	
	Load voltage	The same as the battery voltage				ne as the voltage				
Loading characteristics	Current current charge	70th	80th	100a	50th	60th				
	Method control of loading		, double -t		ntrol of photovoltaic ol mode, PV + Time de					
Display and communication	Display mode	LCD128*64 POINT POINTS/ RETROILLUMPATION display								
	Methods of communication	8 -pin RJ45 port								
	Protect the function Operating	Input-output on in protection of voltage, prevention of the reverse protection of connection etc.								
	temperature Storage	-20 °C ~+50 °C -40 °C ~+75 °C								
Other parameters	temperature IP (entrance protection)	IP21								
	Net weight (ka)	14.7 kg			14.7 kg		18.8 kg			
	Gross weight (kg)	16.6 kg			16.6 kg		20.6 kg			
	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



Note: above is the company's standard parameters, any modification controls our official website.