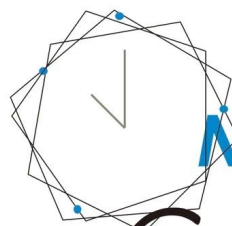


High Power and Voltage 96V 192V 216V 240V 384V MPPT solar controller



New Arrival

GALAXY

MPPT Solar Controller

96V 192V 216V 240V 384V



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□8*12V□ | 430V | 70A;80A |
| GALAXY-B192-XXA | 192V□16*12V□ | 430V | 50A;60A |
| GALAXY-B216□220□-XXA | 216V□18*12V□ | | |
| 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.

PC software, Monitoring software, display and set the parameter

PC software

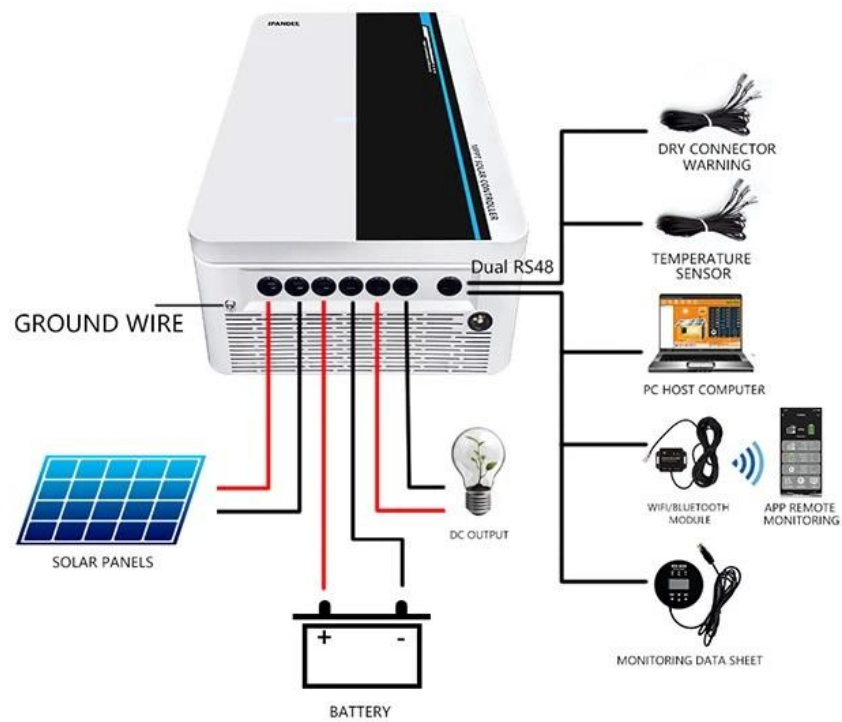
Display charge and discharge status, PV voltage, Charge voltage, Charge current etc. And the related parameter can be set.

parameter

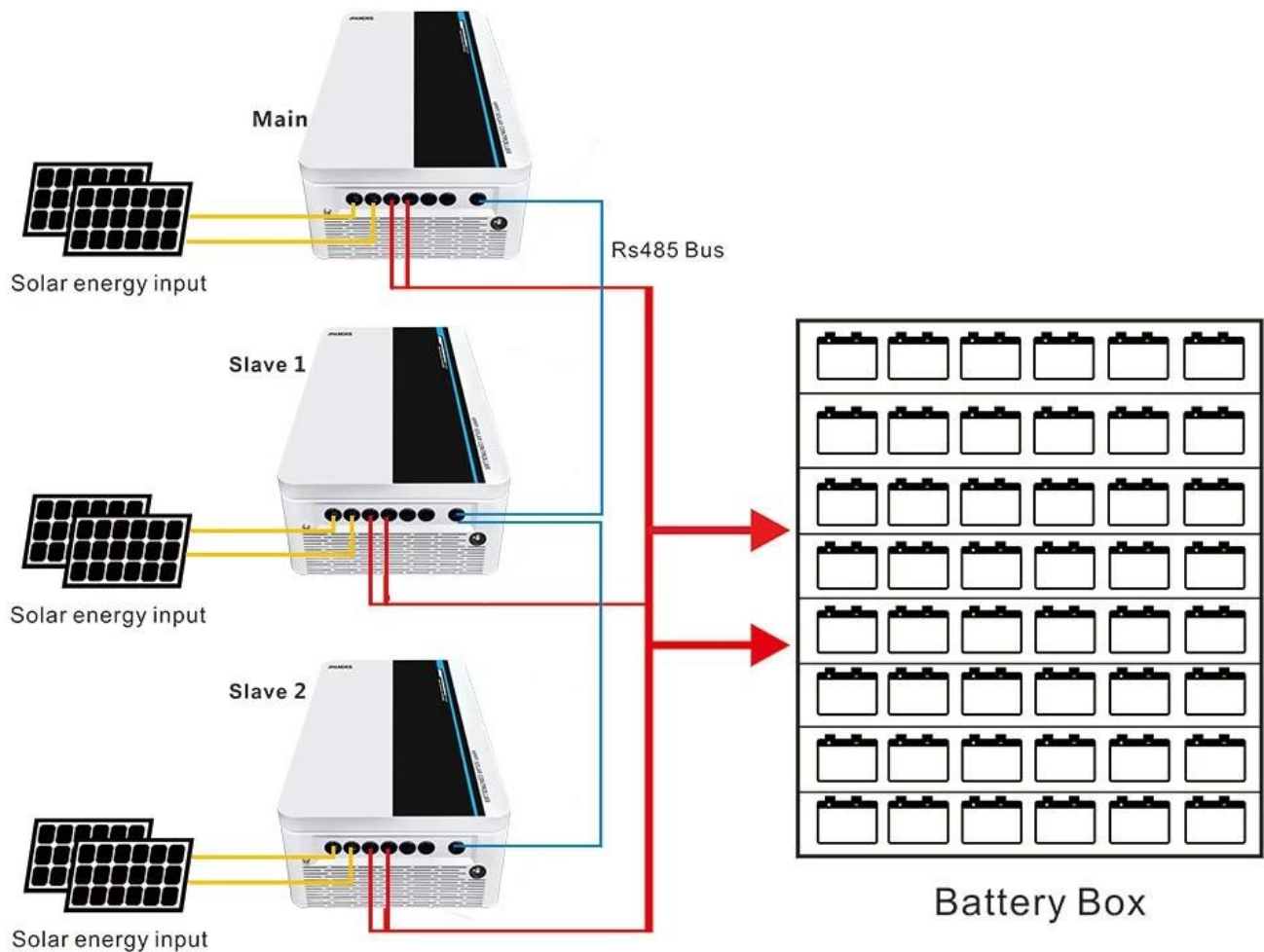
| GALAXY | Series | B96 | | | B192\B216□220□B240 | | | | |
|--------|-------------|-----|-----|------|--------------------|-----|-----|-----|------|
| | Power model | 70A | 80A | 100A | 50A | 60A | 70A | 80A | 100A |

| | | | | | | | | | |
|-------------------------|--------------------------|---|----------|----------|---|----------|-------------|----------|----------|
| Product category | Controller Properties | MPPT (maximum power point tracking) | | | | | | | |
| | MPPT efficiency | ≥98% | ≥98% | ≥98% | ≥98% | ≥98% | ≥98% | ≥98% | ≥98% |
| | System voltage | DC96V | | | DC192V\DC216V(DC220V)\DC240V | | | | |
| | 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 | Vbat+10V |
| | Over protection Vover-pv | DC430V | DC430V | DC430V | DC430V | DC430V | DC660V | DC660V | DC660V |
| | Rated PV power | 7280W | 8320W | 10400 | 10400W\ | 12480W\ | 14560W\ | 16640W\ | 20800W\ |
| | | | | | 11700W\ | 14040W\ | 16380W\ | 18720W\ | 23400W\ |
| 13000W | | | | | 15600W | 18200W | 20800W | 26000W | |
| 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 |
| | Charging 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℃~+50℃ | | | | | | | |
| | Storage Temperature | -40℃~+75℃ | | | | | | | |
| | 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.