

[Electrical Specification]

Rated Voltage: 12VDC-24DC

Continuous Current: 100A 150A 200A 250A 300A

Quiescent Current: less than 10ma (Also called leakage current, it will enter into low-power consumption mode when the battery isolator is not powered and the voltage is less than 13.2V)

[Performance Characteristics]

- **Automatic charging:** Protect the vehicle electrical system to realize staggered charging by adjusting the pull-in time according to the voltage change of main battery
Auto connect voltage (5 minutes delayed): greater than 13.2v/26.4v
Auto connect voltage (2 minutes delayed): greater than 13.5v/27v
Auto connect voltage (30 seconds delayed): greater than 13.8v/27.6v
- **Gap charging:** The isolator will enter into gap charging mode (Charge for a while and stop for a while) to protect the engine and wiring harness if detected excessive current and voltage drop during charging
- **Automatic isolation:** The isolator detects battery type(Lead acid/ iron lithium) automatically to adjust Isolation voltage. At the same time, , the isolator will isolate the volatage within several minutes generally once powered off to improve system stability according to the comprehensive situation of the powered-off volatage.
- **External charging:** The main battery also will be charged if it is not fully charged under the condition that the secondary battery is fully charged by using the external charging or solar panel charging
- **Overvoltage disconnect:** 16V/32V
- **Borrow:** Borrow switch is also called self-locking switch: pressing the locking button and LED light is always on, It represents borrow succeeds ; pressing the locking button again, the switch pops up and the LED light goes off, it represents the borrow ends. Reserving external auxiliary switch interface, yellow wire connected to switch, black wire connected to the switch negative, blue wire connected to light. They can not be connected if not used.
Digital tube upper red and lower blue, red represents main battery voltage and blue represents auxiliary battery voltage. If the voltage is greater than 13.2V/26.4V, digital tube will be always on; if not, digital tube will flash (flash period is 2 seconds); Add ACC wire. ACC wire should be connected to Ignition wire if the auxiliary battery is lithium iron battery; Red wire connected to ACC switch except for lead-acid battery.

[Indicator Light Description]

Indicator light working characteristics: users can easily judge the dual battery status according to the different flash conditions of Indicator Light.

Series Number	Indicator Light Status	Meaning
1	0.2 seconds flash	Alarm, battery voltage is too high or wiring is in error
2	Always on	Main and auxiliary battery connected
3	Flash once every second	Main or auxiliary battery voltage is no less than 13.2V/26.4V, waiting for being connected
4	Flash once every 3 seconds	Both main and auxiliary battery voltage is less than 13.2V/26.4V, but greater than 10.8V/21.6V
5	Flash once every 6 seconds	Main battery voltage is less than 10.8V/21.6V (or not connected); auxiliary battery voltage is less than 13.2V/26.4V and greater than 10.8V/21.6V
6	Flash once every 5 seconds	Main battery voltage is less than 13.2V/26.4V and greater than 10.8V/21.6V; auxiliary battery voltage is less than 10.8V/21.6V(or not connected)
7	Always off	Both main and auxiliary battery voltage is less than 10.8V/21.6V or not connect to iron wire

