



**AOPEC**

**BATTERY ISOLATORS  
& CHARGERS**



# About us

Aopec is your trustworthy aftermarket supplier and brand partner from China, through its extensive supply chain, complete QC processing and expertise service team!

Aopec is a premium manufacturer both in direct investment and joint ventures for Automotive Electrics in China, since the year of 2002. We are the qualified OE supplier to some car makers and several big brands. TS standardized QC control with the lean manufacturing process makes us a reliable partner with the customers on design, quality, delivery and services.

Aopec is carrying a big range of aftermarket parts, with more than 500 selected suppliers to cooperate and 30 categories, we are providing the one-stop solutions and capable to protect the customers' business properties from IP, Patent Packages, Distribution Network, etc. We are taking the active commercial insurance to cover the customers' concerns and expanding to supply more and more onsite services through the local team in the different countries.

Our SOP (Special Program Management) offers a better solution for different demands and different markets.



Since 2002, AOPEC has been involved in auto electrical products supplying, and our own manufacturing facility was built up years later. Nowadays, we have 100 workers and 2000 m<sup>2</sup> specializing in electrical products in AOPEC SMART INDUSTRIAL ZONE.

We are able to supply large ranges of below items:

- Automotive Relays
- Flashes
- Automotive Wire Harness
- Voltage Sensitive Relays(BSR)
- Mini Battery Chargers
- Electromagnetic Switch
- Battery Isolator Switch
- EV Car Cables

## Auto. Electronics Parts



Battery Chargers  
Ev Car Chargers  
Relays  
Flashers



Smart Battery Isolators  
Dual Battery Isolators for ATV/UTV  
Dual Battery Kits

We dedicate to provide the most comprehensive services to all parts brands and distributors all over the world.



More...

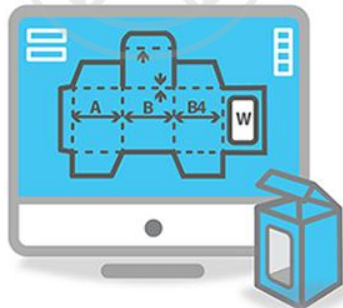


## PACKAGING DESIGN SERVICE



We offer packaging design assistance service for free.

- Color Box
- Plastic Shell
- Plain Box
- Labels



All our products and services, we must guarantee its qualification and accomplice with the ending-market standards and legality.



## WHY YOU NEED A BATTERY ISOLATOR?



The set up is for high voltage additional equipment that draws more power than your main line battery can supply. An isolator keeps at least one of the batteries charged for start up. Never losing start up power.

01

Primary Battery Saver

02

Efficiency Charging

03

Battery Life Extended

## ☁️ IP65 WEATHERPROOF

Outer plastic-housing and a silicone sealed internal layer, protects your isolator from water, dust, dirt, sand damage.

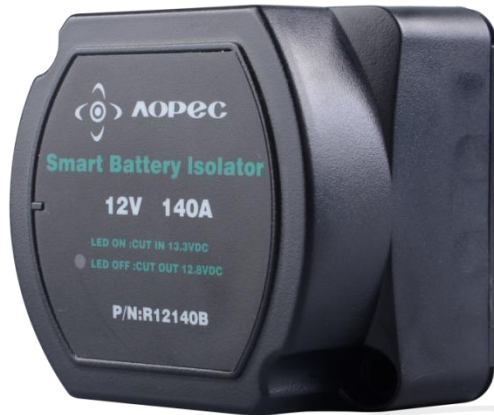


## MORE Models Of Aopec Battery Isolator

Model	Color	Rating Voltage	Continuous Current	Gap Current	Cut-in Voltage	Cut-out Voltage
R12140B	Black	12V	140A	170A	13.7V	12.8V
R12140B	Clean	12V	140A	170A	13.7V	12.8V
R12140B-1	Black	12V	140A	170A	13.7V	12.65V
R12140B-1	Clean	12V	140A	170A	13.7V	12.65V
R24100B	Black	24V	100A	140A	26.6V	25.6V
R24100B	Clean	24V	100A	140A	26.6V	25.6V
R12140X	Black / Clean	12V	140A	170A	Set by need	Set by need
R24100X	Black / Clean	24V	100A	140A	Set by need	Set by need

Note: R12140X and R24100X are new VSR models as request.





## Features

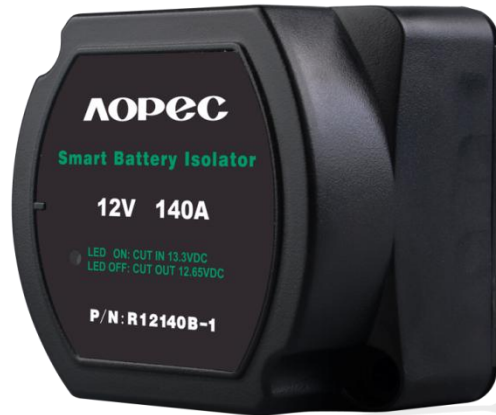
- 12V-140A
- Cut-in Voltage **13.3V**, Cut-out Voltage **12.8V**
- Safety Protection
- Efficiency Charging
- Primary Battery Priority Charging
- IP65 Weatherproof
- MCU Control
- Easy to Install
- 24-Month Warranty



## Features



- 24V, 100A
- Cut-in **26.6V**, Cut-out **25.6V**
- Safety protection
- Efficiency charging
- Primary Battery Priority Charging
- IP65 Weatherproof
- Forced manual Cut in function
- MCU control
- Easy to install
- 24-Month Warranty

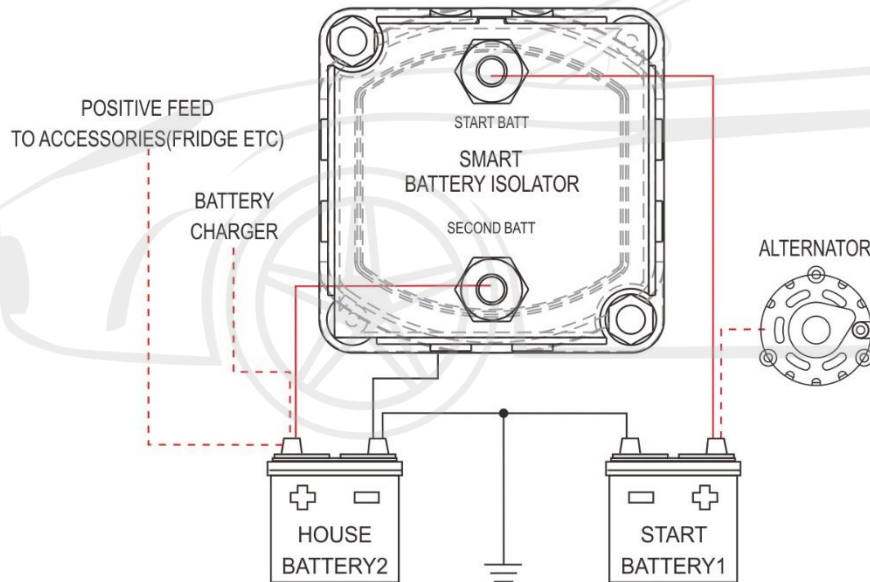


## Features

- 12V-140A
- Cut-in **13.3V**, Cut-out **12.65V**
- Safety Protection
- Efficiency Charging
- Primary Battery Priority Charging
- IP65 Weatherproof
- MCU Control
- Easy to install
- 24-Month Warranty

# KITS for ATV,UTV,4WD,RV,MARINE

# AOPEC









Reverse Polarity Protection



Short Circuit Protection



Over Voltage Protection



Surge Protection



## 5-STEP CHARGING STAGE



### STEP 1 *Desulphation*

Detects sulphated batteries. Pulsing current and voltage, removes sulphate from the lead plates of the battery restoring the battery capacity.

### STEP 2 *Bulk (Constant Current)*

Constant current charging process, battery charger has always been to the constant current automatically adjust the output voltage for recharging the battery. Constant current is the main stage of charging, the battery has filled with about 80% of the power.

### STEP 3 *Absorption*

Constant voltage charging process, the battery voltage will be more and more high, the current will be more and more small, the battery has already 100% when the stage ended.

### STEP 4 *Analysis*

In this step, charger will test the battery that whether it has taken the charge. The battery which can not hold charge may has been damaged.

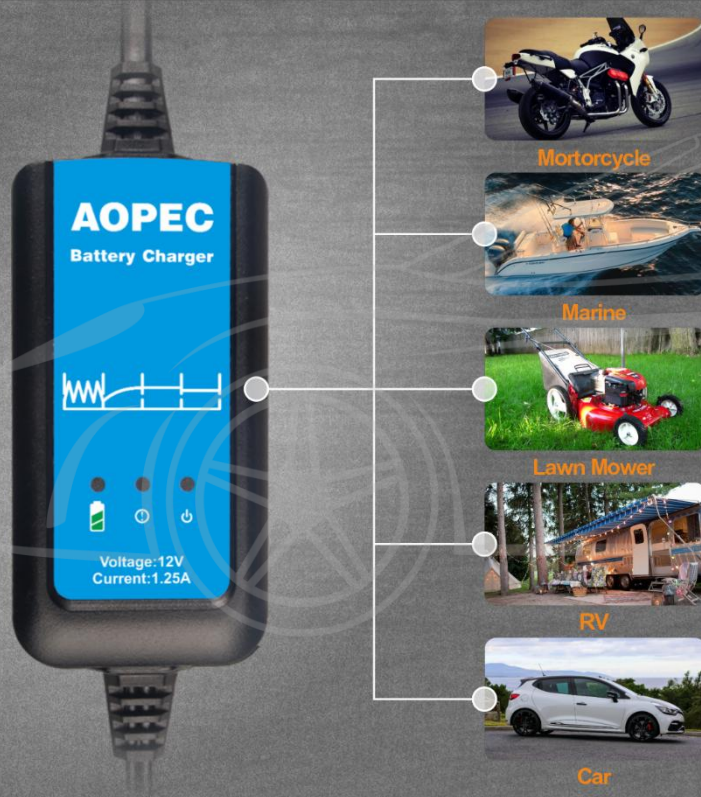
### STEP 5 *Float*

The Float stage maintains the battery at 100% charge without overcharging or damage the battery.



## MULTIPLE BATTERY TYPE COMPATIBILITY

This Charger is optimized to be compatible with all Lead-Acid and Sealed (AGM, GEL, MF) batteries. Ideal for wide applications such as car, motorcycle, lawn mower, boat, RV, SUV,ATV, etc.



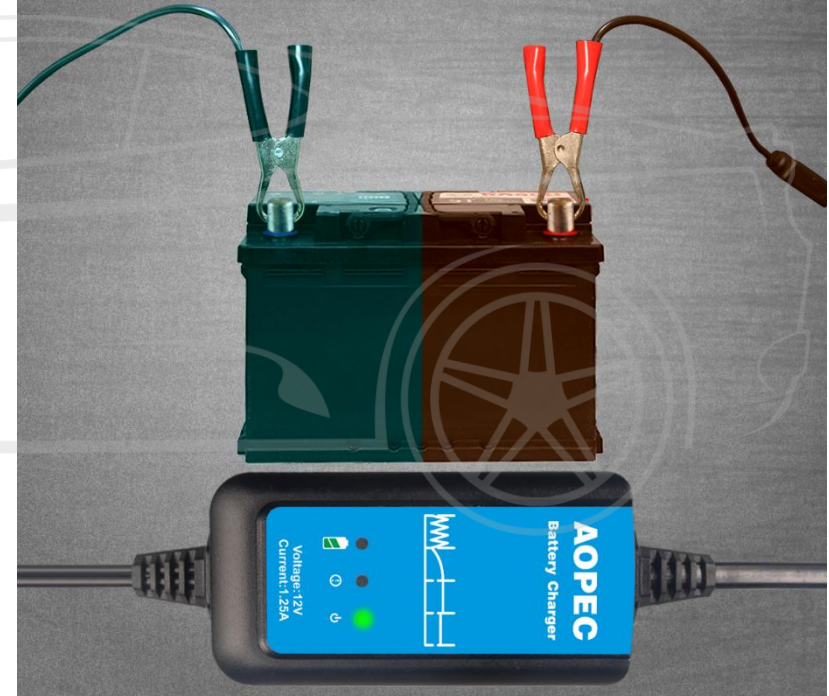
## OPERATING TEMPERATURE



Charging in cold weather



Charging in hot weather



## AOPEC SMART INDUSTRIAL ZONE IS COMING.

60 000m<sup>2</sup> , 8 Buildings In Total.

Aiming to be more supporting to your business.

- MANUFACTURING CENTER
- R&D CENTER
- WAREHOUSING CENTER
- LOGISTIC CENTER

