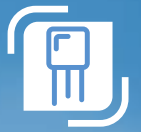


# Electronic battery isolators

**RCE+**



MOSFET  
technology



Voltage drop  
free



IG ready



Multi-voltage



Compact  
&  
lightweight

3 Warranty 3 years

8.9/10 Repairability index



## Presentation

RCE+ battery isolators allow simultaneous charging of 2 or 3 batteries from one or two alternators without connecting the batteries together. Discharging the house battery for example will not result in discharging the starter battery.



### MOSFET technology

The technology used, based on MOSFET transistors, ensures negligible voltage drop between the inputs and the outputs. This is a major advantage compared to a diode isolator.



### Voltage drop free

Because there is no voltage drop due to RCE+ isolator, there is no need to increase the output voltage of the alternator.



### Multi-voltage

The isolator works with 12VDC and 24VDC voltage, and also allows the use of LiFePO4 (Lithium) batteries.



### 1 or 2 inputs

2-input/3-output splitters facilitate simultaneous charging of 3 battery banks from 2 alternator sources.



### 2 or 3 banks

The RCE+ is used to split an input power source (alternator, solar regulator, hydrogenerator, etc.) to 2 or 3 consumers (batteries, consumers)



### IGNITION ready

Some alternators need DC voltage on the + output to start charging. Inserting a battery isolator will prevent any return voltage from the battery and the alternator will not start. The RCE+ splitters have an IG Input that will power the + output when switching on the engine.



### Interchangeability

The RCE+ is designed to be fully interchangeable with previous RCE without any modifications.

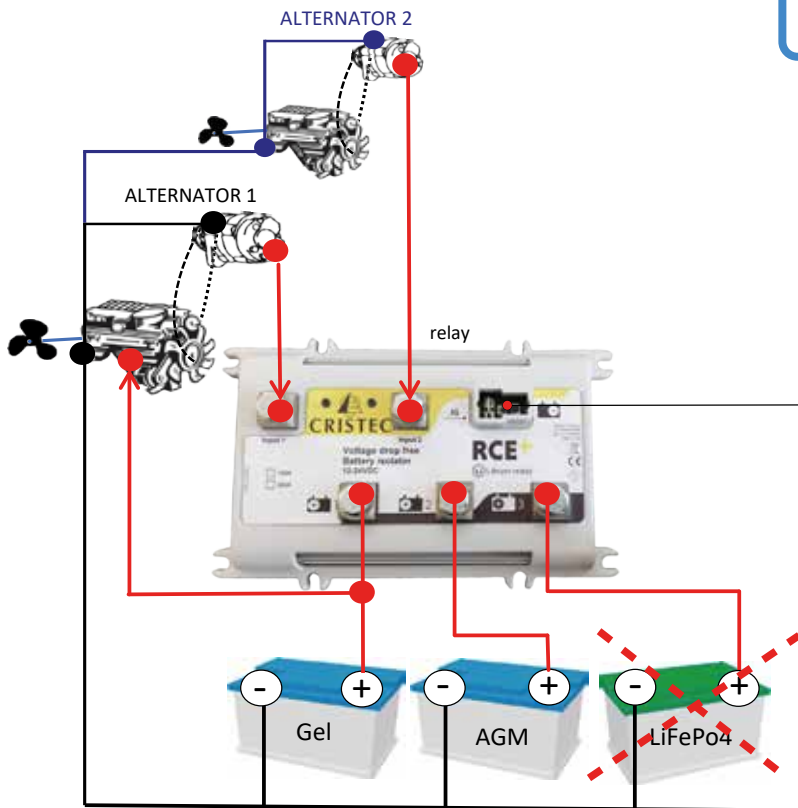


### Compact & Lightweight

The RCE+ is 2 times thinner and lighter than the previous model but with the exact same hole spacing.

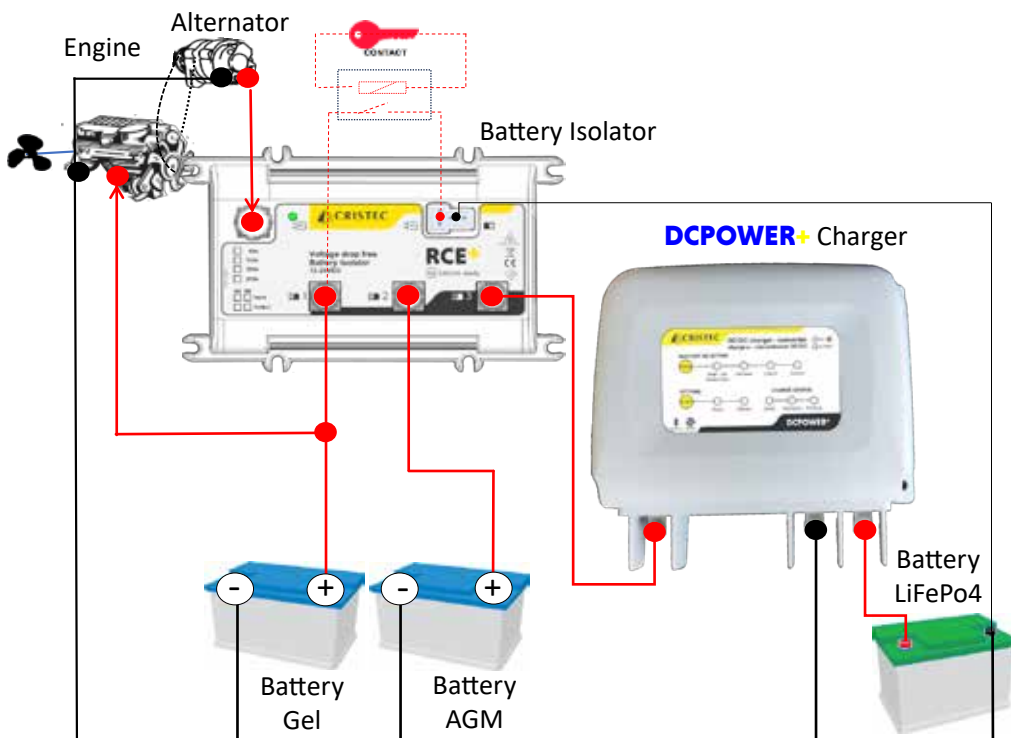
Item code	Rated current	Number of inputs and Ø	Number of outputs and Ø	IG connection (alternator stimulation)	Dimensions (w x h x d)	Weight
RCE80-1EM6-2SM6-PL	80A	1 x M6	2 x M6	yes	159 x 100 x 36 mm (6,25 x 3,93 x 1,41in)	0,45 kg (1 lb)
RCE120-1EM6-2SM6-PL	120A	1 x M6	2 x M6			
RCE180-1EM8-2SM6-PL	180A	1 x M8	2 x M6			
RCE180-1EM8-3SM6-PL		1 x M8	3 x M6			
RCE180-1EM8-2SM8-PL		1 x M8	2 x M8			
RCE180-1EM8-3SM8-PL		1 x M8	3 x M8			
RCE220-1EM8-3SM8-PL	220A	1 x M8	3 x M8			
RCE160-2EM6-3SM6-PL	160A (2x80A)	2 x M6	3 x M6			
RCE260-2EM8-3SM8-PL	260A (2x130A)	2 x M8	3 x M8			

## Typical installation



Mixing Lithium batteries with other technologies is not advised

## Typical installation with DC conversion



DCPower+ converts 12VDC from RCE+ isolator into 24VDC lithium battery voltage.

## Typical installation with various types of batteries → see **RCB+** P.12