

Electronic battery isolators

RCE+



MOSFET
technology



Voltage drop
free



IG ready



Multi-voltage



Compact
&
lightweight

2
or
3 banks

2 times
thinner & lighter
than previous models

2 inputs
&
3 banks

Previous models
RCE

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.

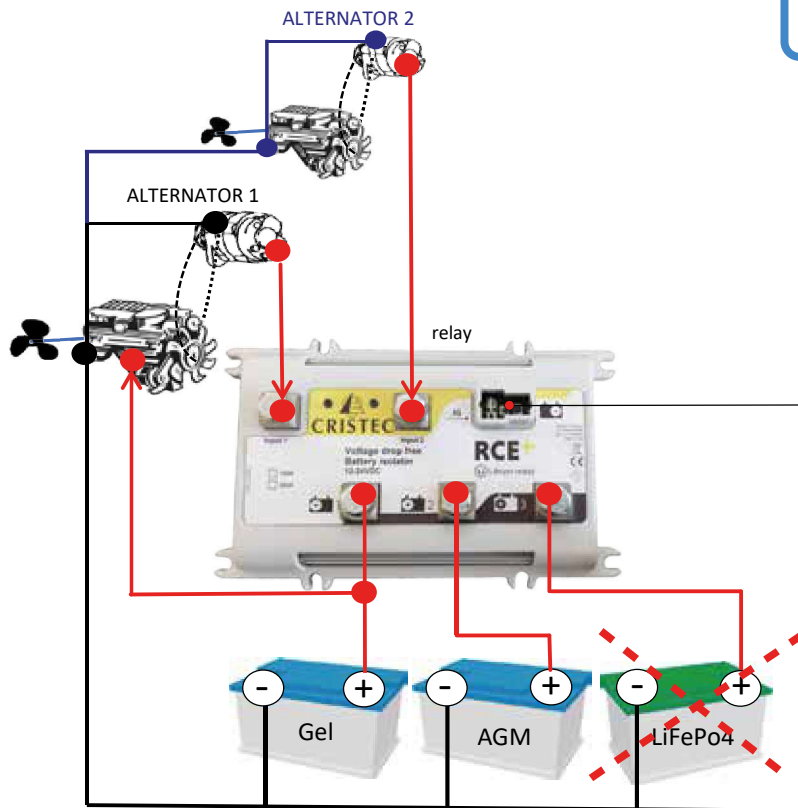


Compact & Lightweight

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

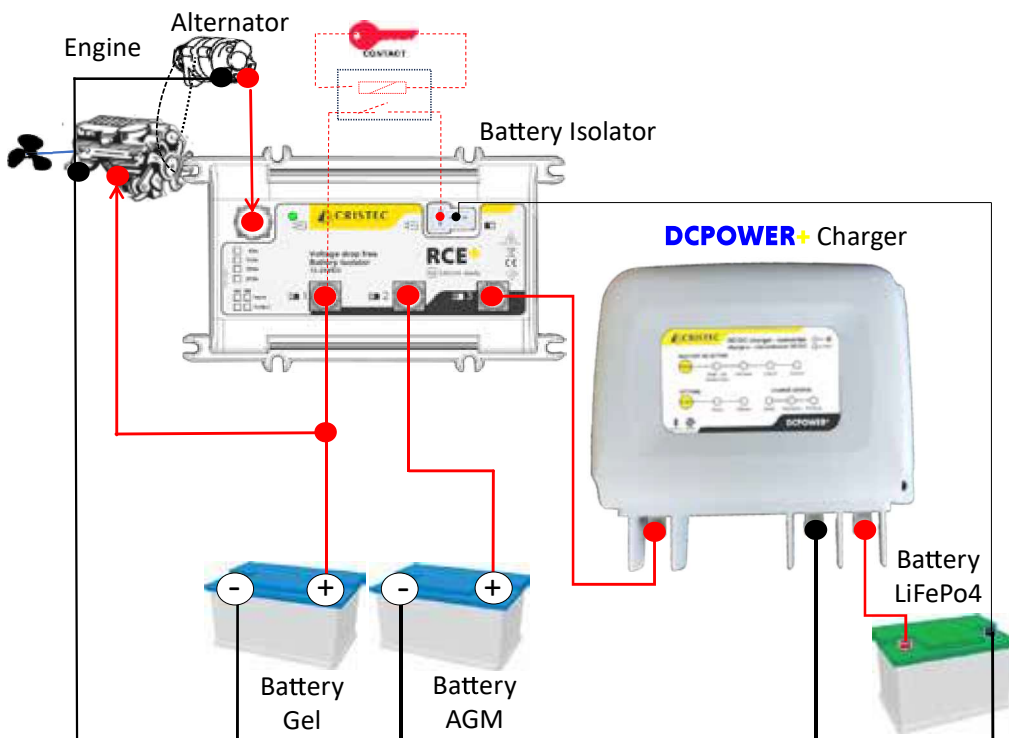
Item code	Rated current	Number of inputs and Ø	Number of outputs and Ø	IG connection (alternator stimulation)	Dimensions (w x h x d)	Weight
RCE80-1EM6-2SM6-PL	80A	1 x M6	2 x M6	yes	159 x 100 x 36 mm (6,25 x 3,93 x 1,41in)	0,45 kg (1 lb)
RCE120-1EM6-2SM6-PL	120A	1 x M6	2 x M6			
RCE180-1EM8-2SM6-PL	180A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