

Full Kit includes:
ISOLATOR, BUTTONS,
STICKERS, INSULATION CAPS



The XR Battery Isolator is the latest generation of motorsport master-switch devices from CARTEK.

At 30% smaller size and 40% lighter weight than the GT Isolator, the XR version offers even more benefits and performance when compared with traditional mechanical master-switches and electro/mechanical safety cut-outs.

FEATURES

- Fully electronic with no moving parts
- Compatible with most motorsport ECUs
- 0.5 second delay between engine kill signal and battery disconnection allowing time for ECU shutdown procedures
- Totally sealed against water and dirt
- Completely resistant to shock and vibration
- Fully integrated with built in alternator run-down circuitry - **No extra components required**
- Driver operation by a single internal ON-OFF button/switch
- External operation by single or multiple switches
- Buttons / switches connected to Isolator using lightweight wiring and IP67 sealed connector
- Mounts close to battery for reduced cabling
- Very small and weighs just 70g
- Designed and manufactured in UK using high quality components.

USED BY



ADESS LMP3



GINETTA LMP3



McLAREN GT4



MITSUBISHI R5

When fitted to a race car our Solid State Battery Isolator simultaneously isolates the battery and kills the engine immediately when triggered in accordance with FiA safety regulations.

Cartek Battery Isolators can be supplied unit only for connection to customers own switches/buttons or as full kits with high quality, fully waterproof, internal and external buttons and safety stickers.

This system has been designed to simplify installation thereby saving time and reducing build costs.



Choice of external button colours

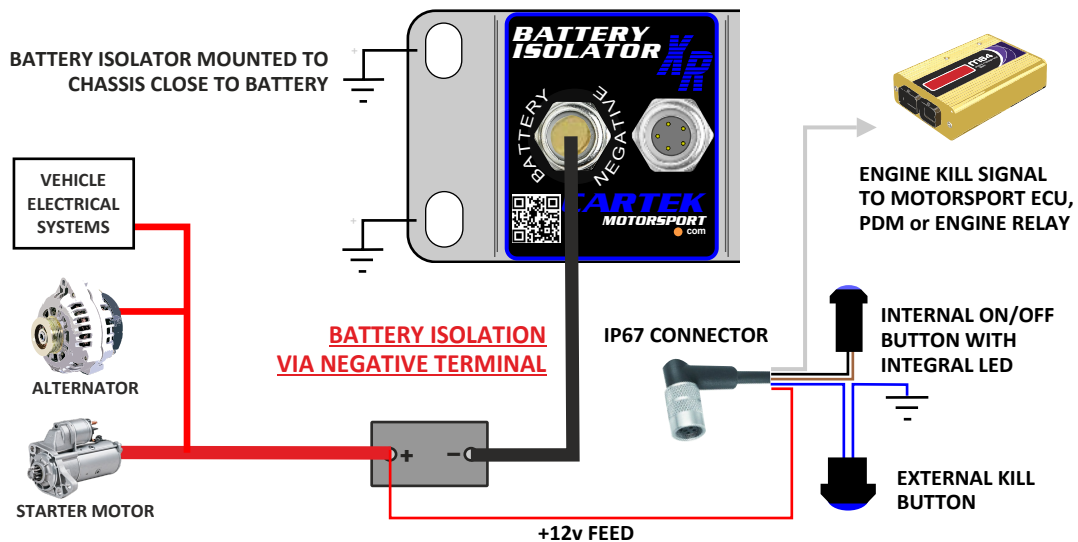
SPECIFICATION

Size:	L = 60mm, W = 45mm.
Weight:	70g.
Battery negative terminal:	M8 stud.
Connector:	Binder 09 0415 90 05
Operational Voltage:	7V - 18V
Current consumption:	25mA ON, 6mA OFF
Battery negative switching current:	550-650A Typical, 2000A surge
Engine signal kill current:	12v 0.5A when ON, switched to chassis/earth when OFF
Operating temperature:	-10°C - +85°C.
Storage temperature:	-40°C - +125°C

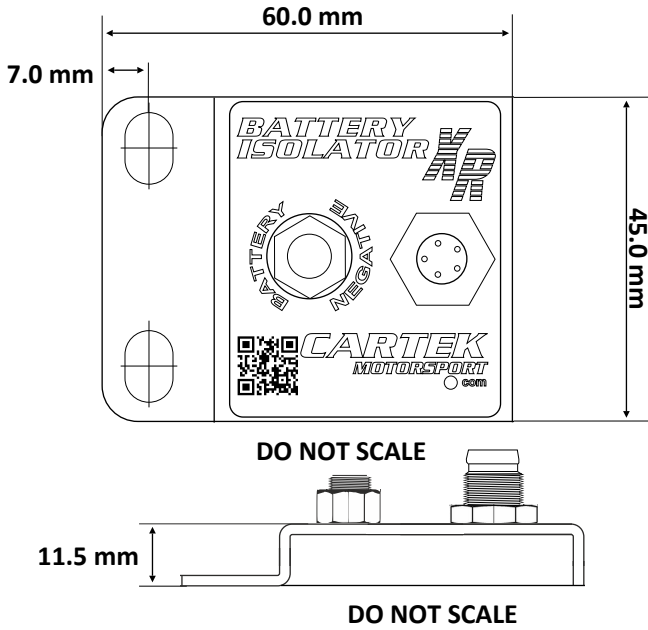
EXAMPLE OF INSTALLATION



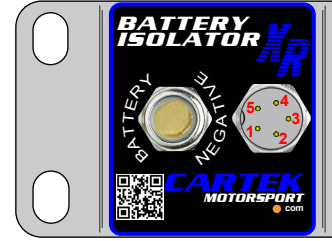
WIRING DIAGRAM



DIMENSIONS



PIN OUT



CONNECTOR PIN NO	FLYING CABLE WIRE COLOUR	DESCRIPTION
1	White	Engine kill signal output
2	Brown	Internal Switch connection (red)
3	Black	Internal Switch connection (black)
4	Blue	External kill button connection
5	Grey	Battery 12V+

PARTS LIST

PART NO	DESCRIPTION
CK-BR-01	Battery Isolator XR unit only
CK-BR-06	Battery Isolator XR and CK-BX-CABLE only
CK-BR-08-B	Battery Isolator XR kit with Blue ext button. Includes Internal On/Off button and Safety Stickers
CK-BR-08-R	Battery Isolator XR kit with Red ext button. Includes Internal On/Off button and Safety Stickers
CK-BR-08-Y	Battery Isolator XR kit with Yellow ext button. Includes Internal On/Off button and Safety Stickers
CK-EP-02	External 'kill' button, Red
CK-LP-03	External 'kill' button, Blue
CK-YP-04	External 'kill' button, Yellow
CK-LT-01	Internal On/Off button with Status LED
CK-SS-03	Safety stickers
CK-BX-CABLE	Mating connector with 200cm flying lead
CK-BX-CONN	Mating connector only