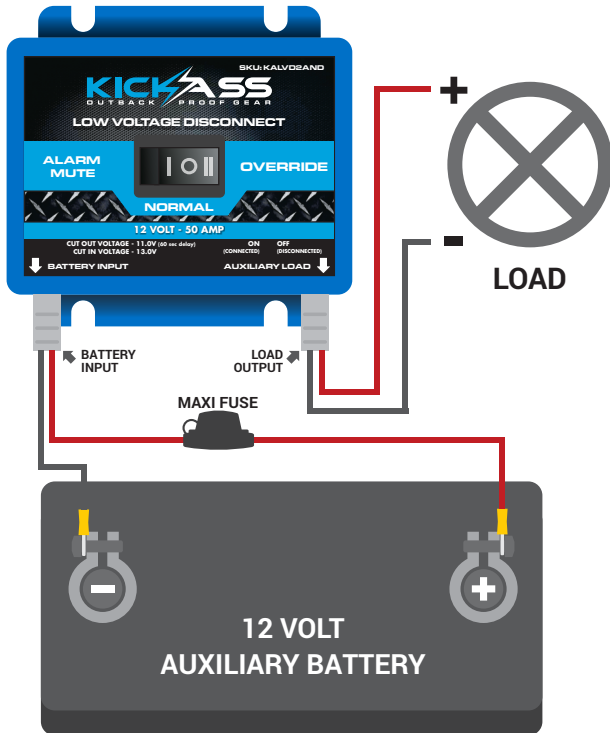


LVD FEATURES / BENEFITS

- Input and Output Anderson Style Plugs for quick and easy connection.
- Low voltage cut-out setting at 11 volts for battery protection.
- 3 way manual override switch for Alarm Mute, Normal Operation and LVD Override.
- Side moulded mounting holes for secure installation.
- LED for user reference of the LVD status. (ON is Connected, OFF is Disconnected)
- Warning alarm for 60 seconds at 11 volts to indicate charge is required.

KICKASS QUICK CONNECT LVD WIRING DIAGRAM (NOT TO SCALE)



Please Note: Cables & Batteries are not Included, they are Optional Accessories.

WIRING AND OPERATION

The KickAss Low Voltage Disconnect (LVD) is designed to protect your battery from over-discharge. Once connected the LVD will allow output power to run your load as normal. The LED status will indicate what state of charge the battery is at while discharging. The device will cut out at 11 Volts which will protect your battery from over-discharge. To reconnect the device, the LVD needs to sense 13 Volts to ensure that the battery has accepted charge before the load is reconnected.

(Please refer to the status table above)

3 WAY SWITCH SETTINGS

NORMAL - The LVD device will disconnect and isolate the load from the battery at 11 Volts. Once the LVD senses 11 Volts, the Low Voltage Alarm will sound for 60 seconds before disconnecting. To reconnect the device once it has been disconnected, the LVD needs to sense 13 Volts before the load will connect to the battery again.

ALARM MUTE - This function is to manually mute the low voltage alarm if required. On this setting the LVD will still operate the same as 'Normal Mode' but the low voltage alarm will not sound.

OVERRIDE - This function is to manually override the LVD sensing and will simply connect the battery to the load without the protection of cutting out. This feature should only be used in Emergency situations when required.

SPECIFICATIONS

Specification	Value
Voltage System	12 Volt
Maximum Input / Output Amperage	50 Amp
Standby Input Current	150 mA
Battery Cut-Out Voltage	11 Volts (or below)
Battery Cut-In Voltage	13 Volts (or above)
Battery Cut-Out Time Delay	60 secs @ < 11 Volts
Operating Temperature	0 - 50°C
Net Weight	0.35kg
Housing Dimensions	110mm x 102mm x 50mm
Mounting Hole to Mounting Hole Diameter	L - 49mm / W - 95mm
Warranty	2 Years

STATUS TABLE

BATTERY VOLTAGE	LED STATUS	ALARM STATUS
12.8V (or above)	Solid Green	—
12.8V - 12.2V	Flashing Green/Red	—
12.2V - 11.8V	Flashing Red (every 5 secs)	—
11.8V - 11V	Flashing RED (every 3 secs)	—
11V (or below) 1st 60 seconds	Flashing Red (every 1 sec)	1 Beep per Second
11V (or below) 2nd 60 seconds	Solid Red	Constant Beep for 60 seconds
11V (Disconnected)	Off	Off

WARRANTY

Please contact www.kickassproducts.com.au if you have any issues.

WARNING

- Read instructions prior to use. These instructions form part of the warranty conditions.
- Do not attempt to use this device if external cables have been damaged.
- Do not disassemble. Take it to a qualified person if a repair is required. (No serviceable parts inside).
- Suitable for 12 Volt DC systems only.
- Install a fuse (Recommended 50A) as close as possible to the Battery Positive.
- When installing permanently, ensure that the device is mounted securely via the mounting holes.