



Battery Load Shedding

Automatically detects low battery voltage and isolates the load to prevent further battery discharge.

Range includes units that have Load Shedding with adjustable sampling time and Load Shedding with Time Delay function. Simple 3 wire installation.

Optional Alarm Function allows an audible or visual pre-warning of disconnection.



A comprehensive range of Load Shedding devices to cover many differing installations.

Load Shedding is a simple and cost effective way of preventing connected equipment from over-discharging a vehicle battery. Due to its modular design, if required, several can also be used on a vehicle to prioritise critical equipment to be powered for longer, rather than a complete shutdown of all electrical equipment.

Load Shedder 1 isolates the connected equipment when the voltage reaches 12.0V or 24.0V, the equipment is automatically reconnected when the voltage climbs to 13.5V or 27.0V (12V & 24V units respectively). A factory 2 second sampling time prevents load cycling. Voltages are adjustable in-situ if required.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2001-12	12V	30A	Voltage	Sampling, fixed 2 seconds	5 Years	0.15	110x55x35
092-2001-24	24V	30A	Voltage	Sampling, fixed 2 seconds	5 Years	0.15	110x55x35

Load Shedder 1T has all the features of Load Shedder 1, with the addition of adjustable Sampling Time is ideal where several units are daisy chained.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2002-12	12V	30A	Voltage	Sampling time adjustable	5 Years	0.15	110x55x35
092-2002-24	24V	30A	Voltage	Sampling time adjustable	5 Years	0.15	110x55x35

Load Shedder 1TO with Time Out is by far the most popular unit, this allows a Time Delay to be set for the equipment to turn off, however, if the battery falls below voltage threshold in that time, the equipment will be isolated. Pull in and Drop out voltages are adjustable, as are the Time delays which can be set from 0.5s to 9 hours in 0.5s increments. **SMS-Text** unit sends an SMS-Text message when the Load Shedder activates, this can be sent to (up to) 4 mobile 'phones.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2003-12	12V	30A	Voltage	Sampling & Time Delay	5 Years	0.15	110x55x35
092-2003-24	24V	30A	Voltage	Sampling & Time Delay	5 Years	0.15	110x55x35
092-2003-12-SMS	12V	30A	Voltage	Sampling & Time Delay	1 Year	0.35	220x120x40
092-2003-24-SMS	24V	30A	Voltage	Sampling & Time Delay	1 Years	0.35	220x120x40

* requires optional interface

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Battery Load Shedder Models

Load Shedder Plus range units are designed for heavier duty applications and come with a 200A latching relay, including a Tail Lift specific model. All mounted in a compact powder coated case.



Load Shedder 1L isolates the connected equipment when the voltage drops to 12.0V or 24.0V, the equipment is then automatically reconnected when the voltage climbs to 13.5V or 27.0V (12V & 24V units respectively). A factory 2 second sampling time prevents load cycling. Voltages are adjustable in-situ if required.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2026-12-200	12V	200A	Voltage	Sampling, fixed 2 seconds	5 Years	0.70	90x65x105
092-2026-24-200	24V	200A	Voltage	Sampling, fixed 2 seconds	5 Years	0.70	90x65x105

Load Shedder 1LA has all the features of the Load Shedder 1L, with the addition of a time adjustable Alarm output that can signal an audible or visual warning prior to the load disconnection.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2027-12-200	12V	200A	Voltage & Alarm	Sampling, fixed 2 seconds	5 Years	0.70	90x65x105
092-2027-24-200	24V	200A	Voltage & Alarm	Sampling, fixed 2 seconds	5 Years	0.70	90x65x105

Load Shedder 1TL has all the features of Load Shedder 1L, with the addition of adjustable Sampling Time it is ideal where several units are daisy chained, sampling time can be adjusted from 0.5s to 9 hours in 0.5s increments.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2029-12-200	12V	200A	Voltage	Sampling time adjustable	5 Years	0.70	90x65x105
092-2029-24-200	24V	200A	Voltage	Sampling time adjustable	5 Years	0.70	90x65x105

Load Shedder 1TLA in addition to the features of the Load Shedder 1L, the Load Shedder 1TLA features adjustable Sampling time along with time adjustable Alarm output that can signal a buzzer or warning lamp prior to the load disconnecting.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2030-12-200	12V	200A	Voltage & Alarm	Sampling time adjustable	5 Years	0.70	90x65x105
092-2030-24-200	24V	200A	Voltage & Alarm	Sampling time adjustable	5 Years	0.70	90x65x105

Load Shedder 1TOL in addition to the features of the Load Shedder 1L, the Load Shedder 1TOL features a Time Delay to be set for the equipment to turn off, however, if the battery falls below voltage threshold within that time, the equipment will be isolated. Adjustable Sampling time gives further flexibility.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2032-12-200	12V	200A	Voltage	Sampling & Time Delay	5 Years	0.70	90x65x105
092-2032-24-200	24V	200A	Voltage	Sampling & Time Delay	5 Years	0.70	90x65x105

* requires optional interface

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Battery Load Shedder Models



Tail Lift Load Shedder 1TOLA has been specifically designed for Tail Lift applications, to ensure that use of the vehicle tail lift does not over discharge the battery and prevent the engine from re-starting after deliveries and collections. When the unit senses the voltage dropping below its threshold, it automatically initiates a countdown. If after 2 minutes the voltage has not recovered a alarm signal is triggered (audible or visual), if the voltage remains under for a further 2 minutes the Tail Lift motor will be isolated. When the engine is restarted and the voltage climbs the Load Shedder will Automatically reset and the Tail Lift operation can continue.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2033-12-200	12V	200A	Voltage & Alarm	Sampling & Time Delay	5 Years	0.70	90x65x105
092-2033-24-200	24V	200A	Voltage & Alarm	Sampling & Time Delay	5 Years	0.70	90x65x105

Load Shedder 2 range have two heavy duty relays built in, for applications that have separate high amperage loads that need managing as individual loads. Each load has its own settings to allow one circuit to be prioritised over the other.

Load Shedder 2L isolates the connected equipment when the voltage reaches 12.2V & 12.0V or 24.4V & 24.0V.

The equipment is automatically reconnected when the voltage climbs to 13.5V & 13.7V or 27.0V & 27.4V (12V & 24V units respectively). A factory 2 second sampling time prevents load cycling. Voltages are adjustable in-situ if required.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2028-12-200	12V	2x 200A	Voltage	Sampling, fixed 2 seconds	5 Years	1.10	120x80x105
092-2028-24-200	24V	2x 200A	Voltage	Sampling, fixed 2 seconds	5 Years	1.10	120x80x105

Load Shedder 2TL has all the features of Load Shedder 2L, with the addition of adjustable Sampling Time is ideal where several units are daisy chained, sampling time can be adjusted from 0.5s to 9 hours in 0.5s increments.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2031-12-200	12V	2x 200A	Voltage	Sampling time adjustable	5 Years	1.10	120x80x105
092-2031-24-200	24V	2x 200A	Voltage	Sampling time adjustable	5 Years	1.10	120x80x105

Load Shedder 2TOL in addition to the features of the Load Shedder 2L, the Load Shedder 2TOL features a Time Delay to be set for the equipment to turn off, however, if the battery falls below voltage threshold in that time, the equipment will be isolated. Adjustable Sampling time gives further flexibility.

Model	Voltage	Current	Adjustable*	Adjustable * Time Delay / Sampling	Warranty	Kg	WxDxH
092-2034-12-200	12V	2x 200A	Voltage	Sampling & Time Delay	5 Years	1.10	120x80x105
092-2034-24-200	24V	2x 200A	Voltage	Sampling & Time Delay	5 Years	1.10	120x80x105

Adjustments to all the Load Shedder and Load Shedder Plus units can be quickly and easily made, even while mounted in the vehicle. By using the optional Interface and Free to download software it can allow you to fine tune the settings of your bespoke application. We also offer a service of pre-programming your bespoke settings, please contact us for further details.

* requires optional interface