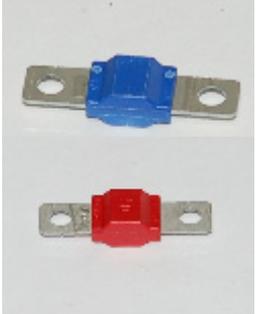


National Luna - Electrical Accessories

	<p>Mega Fuse Kit Fuse Holder & Distribution Point Supplied with 2 x 100amp Mega Fuses (Accepts any Mega Fuse 35-125 amps) Includes Lugs and Nuts Item No: NLAS417 (Blister Packed)</p>		<p>Mega Fuse & Distribution Point Fuse Holder & Distribution Point (Bare) (Accepts any Mega Fuse 35-125 amps) Item No: NLAS418 (Blister Packed)</p>
	<p>Mega Fuse Holder Fuse Holder (Accepts any Mega Fuse 35-125 amps) Includes Lugs and Nuts Item No: NLAS414 (Blister Packed)</p>		<p>Mega Fuses Suit any Mega Fuse Holder or Distribution Point 50 Amp (Red) 100 Amp (Blue) Item No: NLAS415 (100) Item No: NLAS416 (50) Sold as Single Fuses (Blister Packed)</p>
	<p>Positive Battery Terminal with Accessory Connection points Item No: NLAS1123 (Blister Packed)</p>		<p>Negative Battery Terminal with Accessory Connection points Item No: NLAS1125 (Blister Packed)</p>
	<p>50 Amp Coupler (Red) Use for Portable Dual Battery Box, Large Accessories and other battery cable uses Will connect to another Red Connector but not Grey Connectors Item No: NLAS354 (Blister Packed)</p>		<p>50 Amp Coupler (Grey) Use for Portable Dual Battery Box, Large Accessories and other battery cable uses Interchangeable with other brands of grey Anderson style couplers Item No: NLAS353 (Blister Packed)</p>

National Luna - Electrical Accessories

<div style="text-align: center;">  <p>Hella Plug</p> <p>Genuine Hella brand and compatible with most other brands of Merit socket</p> <p>20 amp with full circle earth straps - ideal for fridge use.</p> <p>Item No: NLAS337 <i>(Blister Packed)</i></p> </div>	<div style="text-align: center;">  <p>175 amp Grey Coupler</p> <p>Connect together and interchangeable with other brands of Anderson plugs</p> <p>Item No: NLAS <i>(Blister Packed)</i></p> </div>
<div style="text-align: center;">  <p>Replacement Pins</p> <p>For 50 amp Couplers only</p> <p>Supplied per Pin</p> <p>Item No: NLAS356</p> </div>	<div style="text-align: center;">  <p>Cigarette Ltr Socket</p> <p>With dust cover and separate earth terminal</p> <p>Item No: NLAS401 <i>(Blister Packed)</i></p> </div>
<div style="text-align: center;">  <p>Combi Plug</p> <p>with removable ring to allow use in either Cigarette lighter or Hella style sockets</p> <p>Item No: NLAS402 <i>(Blister Packed)</i></p> </div>	<div style="text-align: center;">  <p>Adaptor</p> <p>Clips for battery terminals to adapt to Cigarette lighter socket</p> <p>Item No: NLAS403 <i>(Blister Packed)</i></p> </div>
<div style="text-align: center;">  <p>Power Socket</p> <p>Suit Hella or similar plugs</p> <p>Fitted with spring return cover. Power and Earth spade terminals</p> <p>Item No: NLAS404 <i>(Blister Packed)</i></p> </div>	

National Luna Battery Monitors

Simple - Effective way to Avoid Flat Batteries

Uses simple to read colour coded LED's to monitor the charging voltage (when being charged) and also the approximate remaining battery Storage capacity at all other times.

Unlike analogue or digital meters, these monitors do not require any knowledge from the user to understand battery condition. This assists greatly in avoiding a flat battery where batteries are used in 4WD's, Camper Trailers, Boats and Caravans.



Single Battery Monitor - with Alarm Item No: NLBMSA

To Suit Single 12 volt Lead Acid Battery

- Visual Display via 14 LED's
- Discharge Alarm @ 11.4 volts
- Overcharge Alarm @ 14.7 volts
- Accuracy to 10mV
- Display LED's - On/Off Toggle
- Alarm Function - On/Off Toggle
- Reverse Polarity Protected
- Monitors Lead-Acid Charge Curve
- Surface Mount (screw or velcro)
- Dimensions: 47x102x20mm (WxHxD)
- Flush Mount Model also Available

Clear Blister Retail Packaging with
Fitting Instructions



Single - No Alarm

Also available without the audible Alarm Function

Item No: NLBMS

Flush Mount Single Battery Monitor - with Alarm (suit Caravan, Marine or In-Console)

Item No: NLBMSAF

All Technical Specifications as per above Single Monitor with Alarm

Dimensions:

- Cutout: 47x102 (WxH) needs 20mm depth
- Face Plate: 67x122mm (Eg: 10mm Lip)

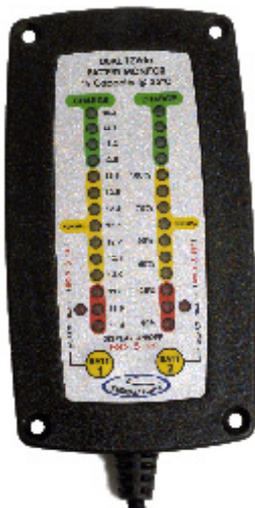


National Luna Dual Battery Monitors

Simple - Effective way to Monitor Batteries

As with our Single Monitor, uses simple to read colour coded LED's to monitor BOTH the charging voltage (when being charged) and then the approximate remaining battery Storage capacity at all other times.

These Dual Monitors can be fitted to any existing or new dual battery system in a 4WD, Boat or Caravan. Can also be used to monitor both 12v batteries in a 24v installation—this can identify out of balance issues if 12v accessories are fitted or help identify other problems in 24v systems which can lead to premature battery failure.



Dual Battery Monitor with Alarm

(can also be used in 24 volt system)

Item No: NLBMDA

To Suit Dual 12 volt Lead Acid Batteries

- Visual Display via 14 LED's each side
- Discharge Alarm @ 11.4 volts
- Overcharge Alarm @ 14.7 volts
- Accuracy to 10mV
- Display LED's - On/Off Toggle
- Alarm Function - On/Off Toggle
- Reverse Polarity Protected
- Monitors Lead-Acid Charge Curve
- Surface Mount (screw or velcro)
- Dimensions: 47x102x20mm (WxHxD)
- Weight: 200 gms

Flush Mount

Dual Battery Monitor with Alarm (suit Caravan, Marine or In-Console)

Item No: NLBMDAF

All Technical Specifications as per above Dual Monitor with Alarm

Dimensions:

- Cutout: 47x102 (WxH) needs 20mm depth
- Face Plate: 67x122mm (Eg: 10mm Lip)

National Luna Split Charge Isolator

Dual Battery Systems often seem to be overly complicated or do not offer sufficient protection for modern vehicle's electronic systems, alternator & battery design.

The National Luna Split Charge Isolator unit, with or without the optional remote Controller/Monitor offers the perfect balance of electronic protection whilst retaining field serviceability and simplicity of operation.

The unit uses a combination of voltage sensing and programmed time delays to ensure the alternator is protected from itself and that the primary starting battery is given priority in the charge system.

Unlike some other "Smart Solenoid" systems which just sense voltage, National Luna uses a 4 Stage monitoring process to deliver the best possible dual battery performance from a parallel system.

The big advantage of the parallel Split Charge System being that it connects "on top" of all the standard

Connecting the "plug-in" optional remote Controller / Monitor gives the user all the necessary information to see what is going on with his dual battery system from his dash board. Plus he can override the system if necessary, to provide vehicle starting assistance. This gives you, "the dealer / installer" the peace of mind that your customer will know what is happening in his system and therefore avoid you getting angry calls saying "my second battery is flat".



Split Charge Isolator

Item No: NLBSCI

Smart Solenoid System



- Sturdy Metal Mounting Plate
- Timer Active LED - Flashes when the unit has commenced "Phase 0" before connecting
- Solenoid Engaged LED - Lights when the solenoid is engaged during "Phase 3" of operation
- Fuse Blown LED - for the internal circuit protection fuse.
- 4 Pin nylon connector for the optional remote Controller / Monitor
- Base Dimensions: 115 x 130mm (WxH)
- Depth : 70mm (to terminals on solenoid)
- Detailed Fitting Instructions included
- Uses Cole Hersee brand continuous rated 85amp solenoid (replaceable)

Blister Retail Packaging



Optional Plug-In Remote Control and Monitor



Dual Battery Controller / Monitor (Optional)

Item No: NLBMDAS

This dash mounted unit allows remote control of the Portable Powerpack together with remote display of both batteries' charge rate and storage capacity.

- Override Button to allow both batteries to be joined to assist in starting or other purposes
- Discharge Alarm @ 11.4 volts
- Overcharge Alarm @ 14.7 volts
- Accuracy to 10mV
- Display LED's - On/Off Toggle
- Alarm Function - On/Off Toggle

DIY - Dual Battery System Kit

An Isolator, Monitor and Wiring Kit for most Applications

This DIY Kit is ideal for private installers, or workshops who don't want the hassle of bulk cable and other components in stock.

Packaged suitable for retail display in National Luna branded outer carton and a custom moulded tray to hold all components in a very presentable and protective style.

The kit includes a Split Charge Isolator unit and a remote dash mounted Controller / Dual Battery Monitor unit (refer separate technical sheets for more information of each of these items)

The isolator and monitor are designed for use in modern vehicles with computerised systems and with any type of lead acid battery including deep cycle, cranking or Gel Cell versions)

The kit components are all of very high quality designed to ensure a professional under-bonnet dual battery installation. A set of fitting instructions and diagrams assist the installer and includes testing procedures to ensure the system is functioning correctly.

All that is needed to complete almost all normal dual battery installations is a battery mounting tray for the vehicle in question and the customer's choice of auxiliary battery.



DIY Dual Battery Kit

Item No: NLBSCI-K1

(Excludes Battery & Mounting Tray)

- 1 x Split Charge Isolator (NLBSCI)
- 1 x Controller / Dual Monitor (NLBMDAS)
- 6 x Metres ea Red and Black 16mm² **double insulated** cable
- + & - OEM quality battery terminals for Main Battery
- + & - Std battery terminal connectors for Auxiliary Battery
- 1 x 50 Amp Fuse and Fuse Holder
- 1 x 100 Amp Fuse and Mega Fuse Holder
- 1 x 15 Amp Fuse and holder (for Aux circuit - Fridge etc)
- Qty crimp style cable lugs, terminals and screws
- Qty cable ties
- Fitting Instructions and Diagrams



Battery Trays

We can also supply universal battery mounts (weld or bolt legs or brackets to suit application)

Suit N70 Battery: **BTU105**
Suit N50 Battery: **BTU70**



Dual Battery in a Box (Portable Power Pack)

Complete self-contained Portable Dual Battery System

The "Serious" Dual Battery Box is designed to offer real dual battery performance for vehicle owners who may not be able to install a traditional under-bonnet auxiliary battery. This is increasingly a common problem with many modern 4WD vehicles lacking spare under-bonnet space.

It is also perfect for users who may like to swap the Box between two or more different vehicles. In these cases, both vehicles can be hard-wired with a relatively inexpensive HD charge cable as all the other components (Isolator, Fuses, Sockets etc) are all built into the Box.

This unit is also useful where the user may like to remove the Auxiliary battery box from the vehicle to power a fridge or other appliances at the camp or work site.

The unit can accept the user's choice of 12v Battery to suit the application - AGM, Deep Cycle, Cranking or Gel Cell batteries are all compatible. (no battery is supplied with the unit)

Remote Control and Monitoring (optional):

The unit has a 4 pin socket to connect a remote controller / monitor so the rate of charge and storage capacity of both the battery box battery and the vehicle's Main battery can be monitored from inside the cabin. The remote controller also provides an over-ride switch to connect the auxiliary battery into the starting circuit for instances when the main battery has been run down. Refer Item No: NLBMDAS.



Dual Battery Box

Item No: NLBPP1

Portable Dual Battery System

(Excludes Battery)

3 Year
Warranty

- HD Poly Case with sliding lid
- 3 x Output sockets - Merrit (Hella style), Cigarette Lighter and 50amp Anderson Socket
- Protection Fuses for output sockets
- Master On/Off Circuit Breaker (60 amp)
- Built-In Split Charge Isolator Unit
- Audible Alarm for Low Voltage warning
- Built in 7xLED Monitor to show Charge Voltage
- Built-In 14xLED Battery Monitor showing remaining battery storage capacity
- Fully Servicable
- Ext Dimensions at Top: 480x290x250 (WxHxD)
- Base Dimensions: 445x220 (WxD)
- Battery Compartment: 345x250x175 (WxHxD)
- Weight: 8.2 Kg (without battery)



Optional Plug-In
Remote Control



Dual Battery Controller / Monitor (Optional)

Item No: NLBMDAS

This dash mounted unit allows remote control of the Portable Powerpack together with remote display of both batteries' charge rate and storage capacity.

- Override Button to allow both batteries to be joined to assist in starting or other purposes
- Discharge Alarm @ 11.4 volts
- Overcharge Alarm @ 14.7 volts
- Accuracy to 10mV
- Display LED's - On/Off Toggle
- Alarm Function - On/Off Toggle



Bare Battery Box (HD Poly)

Also available as an empty box with sliding lid

Item No: NLBB2