

AUXILIARY BATTERY SYSTEMS

What do I need?

This will depend on your exact requirements and application. All the systems we install will isolate your vehicle or boat starter battery from your auxiliary battery to ensure that it maintains maximum charge for starting. All your accessory items will be powered by the auxiliary battery leaving your start battery fully charged.

We have systems available for fitting in the engine bay, under the tray of utes or in your camper trailer, caravan or boat.

To safely install and operate your electrical accessories from an auxiliary battery you will require the following.

- Electrical Management System
- Battery tray frame or battery box to suit your vehicle, trailer or caravan
- Battery suitable for your application
- Power outlets and cabling to suit your accessories

ELECTRONIC BATTERY ISOLATORS - Megatronics & SBI Systems

Electronic Battery Isolators are suitable for vehicles **without** temperature compensating or variable voltage alternators on the vehicle CANBUS system. Made in Australia to exact specification and suitable for installation in cars, trucks and boats with 12 or 24 volt electrics. They are suitable for use with wet cell battery types only. AGM, Gell & Lithium you must use a DC-DC charger. Spike protection is built in to prevent current surges from damaging the batteries or controller.

The Megatronics unit is sealed watertight with rugged internal components encased in epoxy to withstand the harsh vibrations from corrugated outback roads and comes complete with leads and fittings for easy installation.



DC TO DC IN-VEHICLE CHARGERS - TJM & Intervolt

Most vehicle manufacturers are now using temperature compensating and variable voltage alternators which lower the output voltage limiting their capability to recharge an auxiliary battery to full capacity. We highly recommend the TJM DC-DC Solar & Intervolt DC-DC Solar systems which feature technology designed to fully charge your batteries regardless of their type or size.

The 3 stage charging system boosts the voltage output of your alternator to allow full charging of your auxiliary batteries.

The Intervolt DCC has a remote monitor in cabin display and both are solar ready with MPPT controllers inbuilt.

DC-DC systems are suitable for use on all vehicles and will charge batteries better than isolator system.



BATTERY TRAYS

All our battery trays are engineered to get the optimum size battery mounted in the most appropriate secure location under the bonnet. Where necessary they include mounting hardware to relocate under body components that may interfere with the positioning of the auxiliary battery. Trays are constructed from 2mm steel sheet and incorporate strategic folds and MIG welds to withstand the toughest conditions. They are electroplated so will not chip and corrode easily like powder coated units.



We have a range of marine battery boxes suitable for mounting batteries in utes, boats and campers.

Available also are a range of portable sealed battery packs from Baintech and Goal Zero for remote camping or for where a vehicle mounted battery is not practical or physically possible to fit.

(Continued overleaf)



You bet!



BATTERIES - BATTERY PACKS

We offer a range of batteries; Deep Cycle, AGM, Gel, Marine, Industrial, Extreme, Endurance, Optima and Lithium batteries.

We also stock the portable Baintech Power Top battery pack complete with 100ah AGM battery, charger, voltmeter & 4 outlets including USB.



CAMPER TRAILERS AND CARAVAN BATTERY SYSTEMS

Auxiliary batteries mounted in a camper trailer or caravan ideally require a separate DC to DC charging system to your vehicle to correctly charge them.

We recommend the TJM and Intervolt systems which feature technology designed to fully charge your batteries regardless of their type or size.

The charger should be mounted in the caravan or trailer as close as possible to the auxiliary battery. If you have multiple batteries in your caravan there are systems available to suit.

The power supply from the vehicle should be connected with an Anderson plug or heavy duty trailer socket with minimum of 50amp rating pins and sufficient size cabling.

FRIDGE & ACCESSORY SOCKET WIRING

This is another important area that you need to ensure is correct for optimum operation of your fridge. Please do not plug a fridge lead into the OE vehicle cigarette socket, in particular the ones mounted in the rear of wagons. These sockets are not designed for the current draw of a fridge and are not a positive fit so create resistance across the socket and may even melt and catch fire in the back of your wagon. In store we have a range of quality sockets including versions with inbuilt volt and amp meters, Engel sockets and versions suitable for internal and external mounting.

The wiring of your accessory outlets in particular your fridge socket should be wired with the largest practical size wiring to avoid voltage drop. The lead on your fridge should never be extended without increasing the size of the wiring.



SOLAR PANELS

We have available a range of solar panels and regulators to suit both fixed mounting and portable applications with adjustable stands and carry bags. We also have a range of flexi foldable and rollable panels. They are light weight, durable, compact to carry and very efficient even in low light conditions. Solar has now become very cost effective option.

INVERTERS - CHARGERS

We have available a range of smart 5 stage 240vac battery chargers and pure sine wave inverters suitable for sensitive electronic equipment like computers & digital televisions. Visit your local store to discuss your requirements.

Brendale:
1 Hinkler Court
Brendale QLD 4500
P: 07 3490 6900
www.tjmbrendale.com.au



Cairns:
221 Scott Street
Bungalow QLD 4870
P: 07 4047 8900
www.tjmproducts.com

Darwin:
454 Stuart Highway
Winnellie NT 0821
P: 08 8995 8800
www.tjmproducts.com

Mackay:
95 Gordon Street
Mackay QLD 4740
P: 07 4841 8100
www.tjmproducts.com

Mount Isa:
17 Simpson Street
Mount Isa QLD 4825
P: 07 4749 6100
www.tjmproducts.com

Townsville:
55-63 Dalrymple Road
Garbutt QLD 4814
P: 07 4758 0995
www.tjmproducts.com