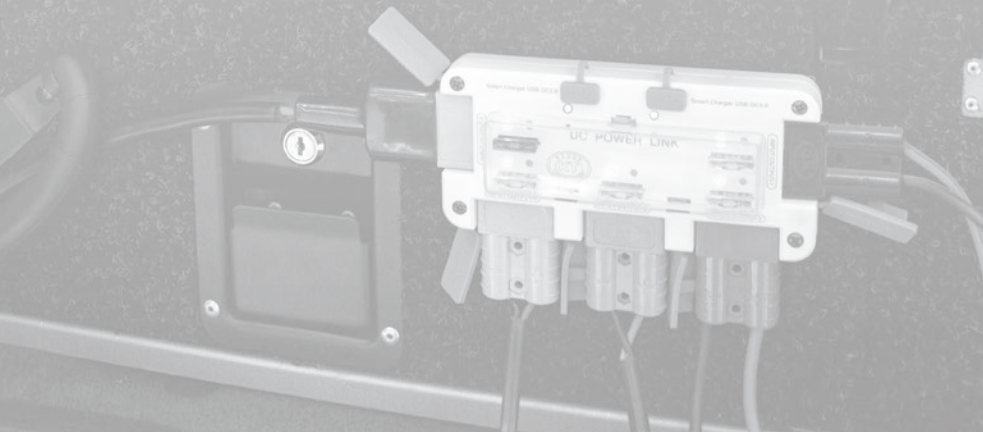




# 5 WAY DC POWER LINK

50A | 12V - 24V | DUAL USB 3.0 SMART CHARGE

Model No. KT70602



## IMPORTANT

This manual contains important safety and operational instructions. Please read carefully before using this product.



**For your personal safety, please read, understand and follow the information provided in this instruction manual.**

Congratulations on your new & Innovative DC Power Link. The unit is a sophisticated omnidirectional module that simplifies all of your 12V - 24V connections.

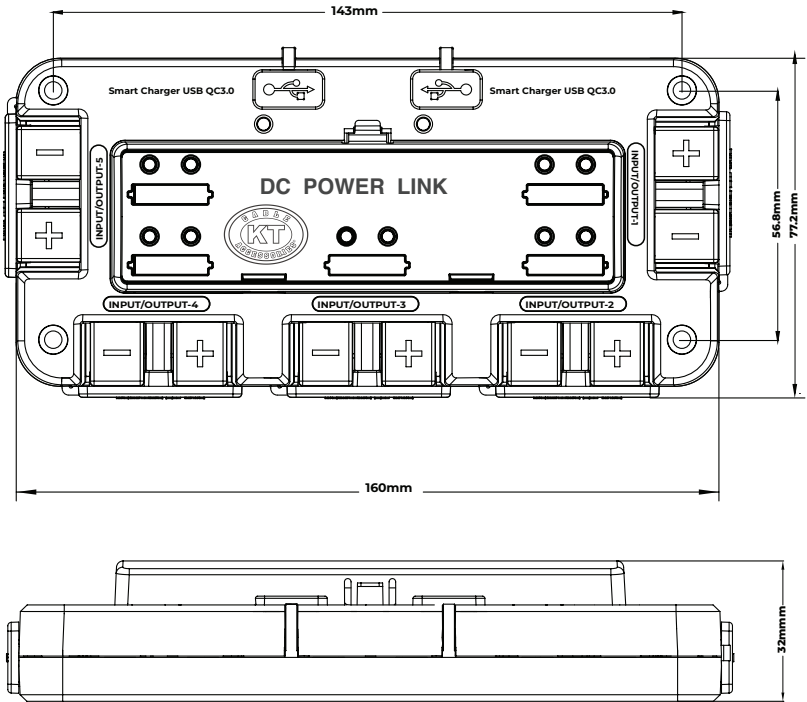
The unit has 50A Input / Output options, Dual 5V USB Inputs, and can support a multitude of power sources and loads. Ideal for, Solar ( 12V - 24V ), Camping & Marine Applications, 4x4, Caravan Applications & More!

## Features

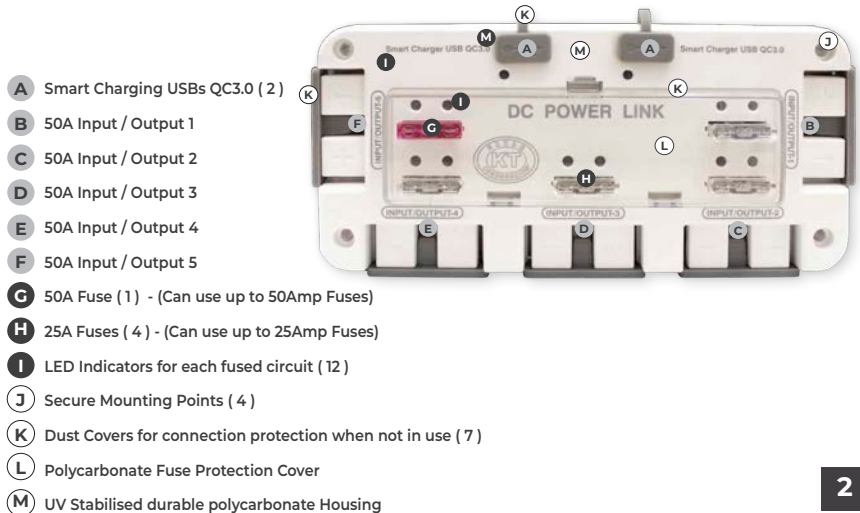
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- **Power up to 6 Devices Max at Once (With 1 to 3 x 50A Power Inputs)**  
5 x 50A 12V - 24V Inputs / Outputs suited to 50A heavy duty connectors  
2 x 5V USB connections
- **Suitable for a Wide Range Of Applications**  
Suitable for use with 12V - 24V applications including Batteries, Solar, Camping Fridges, Lighting & Air-Compressors & ideal for 4WD, Camping, Caravans, RV's, Motor-homes & boats.
- **LED Indicator Lights**  
Yellow LED Indicator Lights to denote 'live circuit'. For USB Circuits, Blue LED Indicator Lights denote active circuit. Red LED Lights for 50A Circuits denote blown / or removed fuse.
- **Dual QC3.0 USB Smart Charge Outlets (5V each)**  
for efficient charging & powering USB Devices.
- **4 Corner Points for Secure Mounting**  
Includes Mounting Hardware.
- **Each Circuit is Fuse Protected**  
Unit Takes 1 x 50A & 4 x 25A Fuses ( Kit includes 3 x 50A Blade Fuses & 4 x 25A Blade Fuses). This is not indicative of appliances that use smaller fuses. Always select the correct fuse as per manufacturer specifications.
- **Easy Clip On / Off Polycarbonate Cover**  
Cover protects fuses.
- **Suitable for Use with 12V & 24V Devices**  
Ideal for use with 12V Lead Acid Batteries, Solar Panels, Camping Fridges, Lighting, Air Compressors & other 12V or 24V Camping / Outdoor applications.
- **Moulded to Connect with 50A Connectors**  
Designed to connect with Grey, Blue, Red & Black 50A Heavy Duty Connectors.
- **Durable for a wide-range of outdoor, 4WD Applications**  
Dustproof, Splashproof with Rubber Protective Boots to protect connections when not in use. Body is made from UV Resistant Polycarbonate.

## Measurements & Mounting Points



## Components



## Specifications

VOLTAGE RATING	12V - 24V
AMP RATING	Power Input: 50A Device Inputs: 25A Rated to 50A at any one-time
DIMENSIONS (mm)	143mm (L) x 77.2mm (H) x 32mm (D)
MOUNTING HARDWARE	4 x PM3.5 x 28mm Self Tapping Stainless Steel Screws.

## Operational Instructions

The innovative KT 50A, 12-24V, 5 Way DC Power Link is a sophisticated controller with omnidirectional capabilities. The unit has 5 Input / Output options and can support up to 5 individual input's from a battery source or even solar.

This unit is suitable for use with any 12V or 24V applications and ideal for use with Solar, 12V or 24V Deep Cycle Batteries, Lighting, Camping Fridges, Air Compressors, and a variety of other camping, marine, 4WD, and caravanning 12V or 24V applications.

The Dual Smart-Charging USB Inputs allow efficient charging of Smart-phones, Tablets, Laptops and other USB devices. This unit features 5 Fused circuits, with green LED indicators which illuminate to display when a fuse has blown. Fuses can be removed easily via fuse-pulling tools. Fuses are protected by a polycarbonate cover to protect from dust & water. This unit is manufactured using UV Stabilised polycarbonate, making it suitable for all indoor and outdoor applications.

1. Remove the dustproof cover from desired 'Input / Output' and connect device via 50A Heavy Duty Connector. (25A Max per Output, 50A Total). For USB QC3.0, connect USB device.
2. Once 'Input' is connected, DC Power Link is Live. Yellow LED's will indicate 'live' power to circuits. Blue LED's will appear for live USB Circuits. Red LED's will appear for circuits where fuse has blown or been removed. For Red circuits, do not use until fuse has been replaced and LED illuminates yellow (or Blue for USB).

To connect a 2.1A / 1A USB Device, remove the dustproof cover and connect device at any time. (Max total USB rating 3.1A).

3. Multi use configuration of Input or Output. Sockets are omnidirectional and can connect as many inputs (50A - Max 4) or Outputs (50A Max 4) as required. (USB Max 2).

## Product Care

1. To clean the DC Power Link, use a water dampened cloth, clean and dry using a dry cloth.
2. When circuits are not in use, apply the rubber caps to the connection for protection from dirt and dust.
3. Always apply clip on / clip off polycarbonate fuse protection casing after checking, removing or inserting new blade fuses.

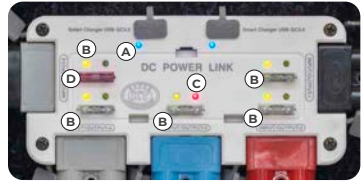
## Replacement of Fuses

This product is supplied with 3 x 50A Fuse and 4 x 25A Fuses.

When fuse has blown, a Red LED indicator will appear closest to the fuse that has blown. This circuit should not be used until fuse has been replaced and LED illuminates yellow.

To replace fuses, simply use a Fuse Pulling Tool which can be purchased from any major Automotive or Electrical retail outlet.

Simply replace the blown fuse with a Fuse of the same Amperage (50A or 25A Standard Blade Fuse).



- (A) Blue LED - Live LED Circuit
- (B) Yellow LED - Live 50A Circuit
- (C) Red LED - Blown Fuse
- (D) 25A Standard Blade Fuse
- (E) 50A Standard Blade Fuse
- (F) Fuse Pulling Tool ( Not Included )

## Product Safety

This product is Dustproof and Splashproof. Care must be taken when using the KT DC Power Link in outdoor environments.

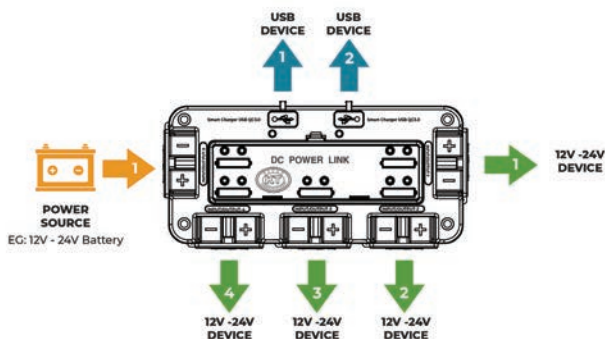
1. Always follow user manual for operational and safety instructions.
2. **IMPORTANT: CHOKING HAZARD:** This product is supplied with small parts that could be swallowed by small children including mounting hardware and fuses. Keep out of reach of small children and do not leave product unattended around small children.
3. Do not mount this product in engine bays, or area's that exceed 60°C.
4. Do not leave the DC Power Link connected to power and unattended whilst using outdoors.
5. Do not submerge in water, spray with water, or subject to rain.
6. Do not power a circuit that has a blown fuse - replace blown fuses immediately before powering unprotected circuits.
7. Do not insert foreign objects into connections other than the connectors to which the product is intended for. Failure to follow these instructions could result in damage to the product, property or cause injury.
8. The unit comes with 3 x 50A fuses and 4 x 25A fuses. Some appliances that may be connected to the DC Power Link may use smaller Amperage fuses. Always select the correct fuse as per manufacturer specifications. Failure to do so, may result in damage to connected appliances.

## Operational Configurations

### CONFIGURATION 1

1 x 12V / 24V Battery Source (Input)  
2 x USB Device (Outputs)  
4 x 12V / 24V Devices (Outputs)

POWER SOURCE    USB DEVICE    12V - 24V DEVICE

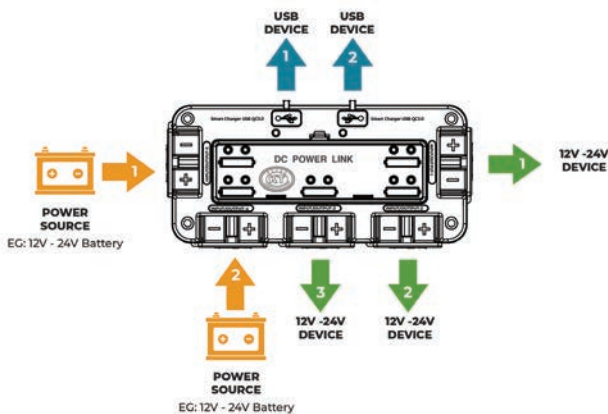


EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.

### CONFIGURATION 2

2 x 12V / 24V Battery Source (Input)  
2 x USB Device (Outputs)  
3 x 12V / 24V Devices (Outputs)

POWER SOURCE    USB DEVICE    12V - 24V DEVICE



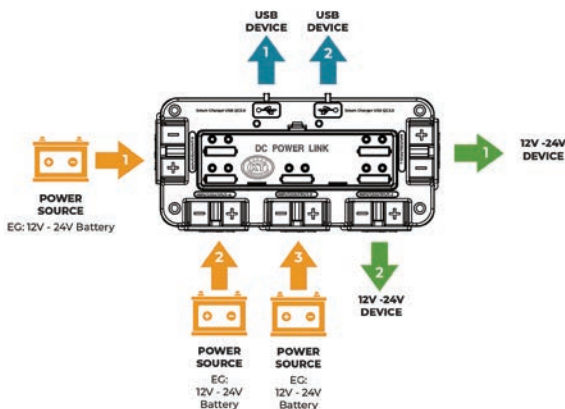
EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.

## CONFIGURATION 3

3 x 12V / 24V Battery Source (Input)  
2 x USB Device (Outputs)  
2 x 12V / 24V Devices (Outputs)



EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.



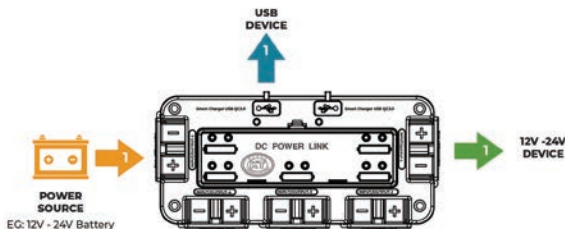
## CONFIGURATION 4

1 x 12V / 24V Battery Source (Input)  
1 x USB Device (Outputs)  
1 x 12V / 24V Devices (Outputs)



EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.

In this example, not all connections are used.



## CONFIGURATION 5

4 x 12V / 24V Solar Source (Input)

1 x 12V / 24V Battery (Input)

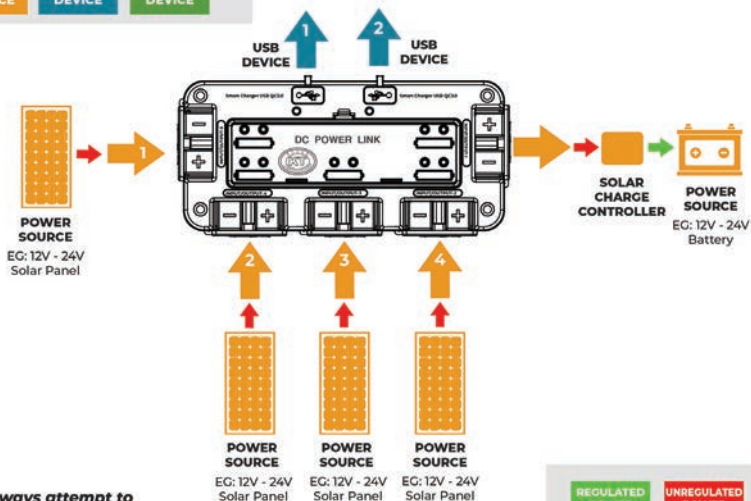
Regulated

2 x USB Devices (Outputs)

POWER SOURCE

USB DEVICE

12V - 24V DEVICE



**TIP:** Always attempt to use Solar panels of equal 'Wattage' to maximise solar efficiency.

EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.

Many solar panels can be connected at once to the DC Power Link providing there is a Solar Controller between any connect 12V or 24V Battery.

**Do not use unregulated solar into battery source.**



## CONFIGURATION 6

1 x 12V / 24V Solar Source (Input)  
Regulated

1 x 12V / 24V Battery (Input)

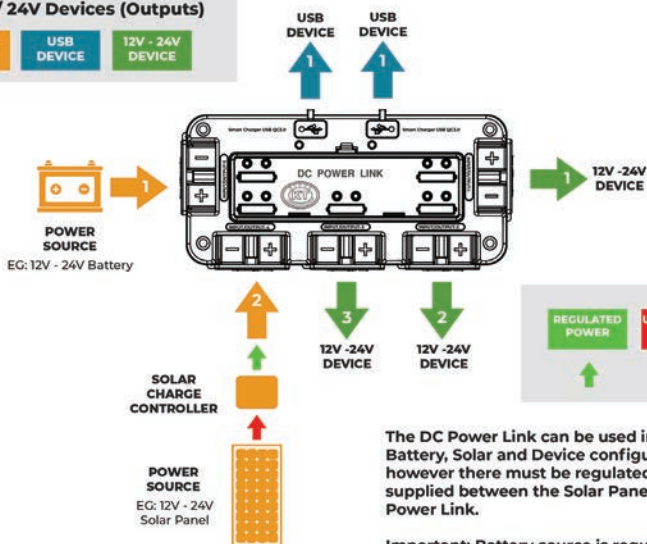
2 x USB Devices (Outputs)

3 x 12V / 24V Devices (Outputs)

POWER SOURCE

USB DEVICE

12V - 24V DEVICE



EG: 12V - 24V Can be anything from Solar Panels, Lighting, Camping Fridges, Air Compressors & Laptops.

Many solar panels can be connected at once to the DC Power Link providing there is a Solar Controller between any connect 12V or 24V Battery.

**Do not use unregulated solar into battery source.**

The DC Power Link can be used in multiple Battery, Solar and Device configurations, however there must be regulated power supplied between the Solar Panel and DC Power Link.

**Important:** Battery source is required to operate devices. Devices will not run off regulated solar alone.

## Warranty Guarantee

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This product carries an unconditional 12 Month Warranty against defects under the terms of the manufacturers warranty. Should the manufacturers warranty not comply with Australian Consumer Law, AECAA Pty Ltd Trading as Automotive Electrical & 4WD Accessories will provide a warranty against defects for 12 months from date of purchase on the following terms:

- a ) For valid claims, Automotive Electrical & 4WD Accessories will replace the product free of charge.
- b ) The warranty excludes defects from after sale damage, neglect, abuse, failure to comply with information provided in this manual, or incorrect installation. You bear all transportation costs to and from Automotive Electrical & 4WD Accessories.
- c ) The Benefits of this warranty are in addition to any other rights and remedies available at law.
- d ) Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality.

For warranty claims:

- a ) Return the product with receipt and original packaging (if available) to the store in which the product was originally purchased.
- b ) Email our team at [warranties@ae4a.com.au](mailto:warranties@ae4a.com.au) with details of the products defects and our team will assist with a resolution.

## Feedback

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KT Cable Accessories design and innovate our own products based on market and consumer demand, and always welcome any feedback on our products and services. If you would like to provide us feedback, you can do this by:

- a) Send our team an email at [marketing@ktcables.com.au](mailto:marketing@ktcables.com.au) or
- b) Follow our Facebook & Instagram Pages '@ktcables' and leave us a review
- c) Contact our team directly by phone:  
East Coast - QLD, NSW, ACT, VIC, TAS: (07) 5540 7877  
West Coast: WA, NT, SA (08) 9358 7000

We also welcome you to share any images you have of your installations on our social media pages (Facebook and Instagram). Our team post daily and may re-share your installation photos with our +80K followers!

To learn more about KT Cable Accessories products and Services, visit [www.ktcables.com.au](http://www.ktcables.com.au).

Alternatively, to learn more about Automotive Electrical & 4WD Accessories, visit [www.ae4a.com.au](http://www.ae4a.com.au)



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