

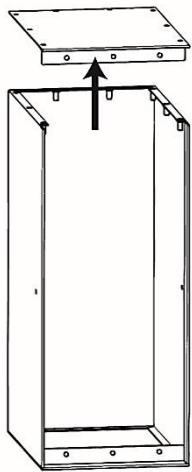
# ToughPower Mounting Case Install Instructions

For Dual Battery BMS Controller Models: TPH-1000, TPV-1000

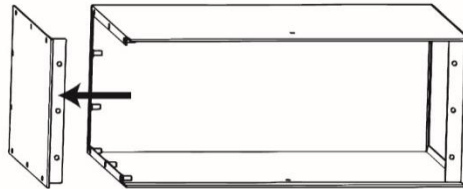
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## Locating the Mounting Case in the Chassis

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OR



Check your Space Requirement in the desired location of your Wagon, Canopy, Van, or Camper. The Mounting Case can be fitted Vertically or Horizontally.

Height = 373mm

Width = 160mm

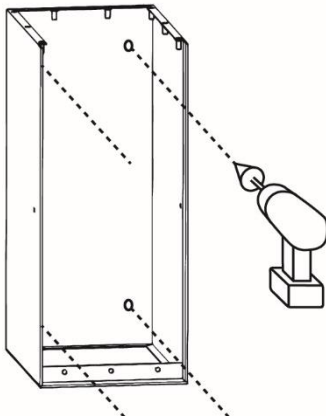
Depth = 228mm

Remove the Lid and set aside for fitting at the end.

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## Drilling Holes into the Mounting Case – Fixing Points

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Determine where/and how you will attach the Mounting Case to the Chassis.

intelliQuip recommend a minimum of **4** Fixing points be used to secure the Mounting Case. You can drill holes into any of the 4 walls (sides, bottom, rear) of the Mounting Case.

**Suggestion:** 4 x M6 Bolts would be ideal!

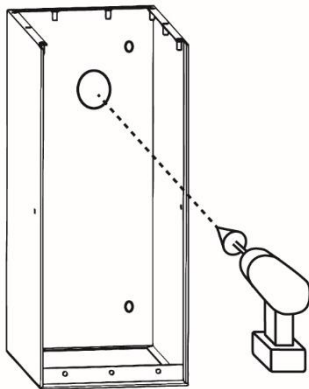
Mark up, and drill holes as required.

**Suggestion:** Use a Step Drill

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## Drilling Holes into the Mounting Case – Service Wiring/Cables

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Determine where the Dual (Auxiliary) Battery will be located (no greater than 1m Cable length away). You will need a good size hole in the Mounting Case for the Dual (Auxiliary) Battery cables to run through.

intelliQuip recommend fitting a *Cable Gland* to protect the cables from being pinched/cut by the sheet metal.

Also, consider where the Charging Cables will enter the Mounting Case – From the Vehicle Battery and Solar Panels. Holes will need to be drilled in the Mounting Case for these also. In addition, the wires of the 10 Pin & 12 Pin Harnesses will need to be fed through these service holes.

Mark up, and drill holes as required.

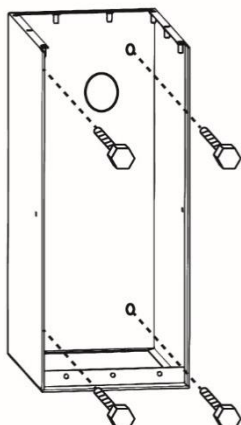
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intelliQuip recommends this unit to be installed by a licenced Auto Electrician  
Warranty may be voided & reduced performance if installation is not followed as per instructions

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## Securing the Mounting Case into the Chassis

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intelliQuip recommend using Spring/Split/Lock Washer with your Nut/Bolts to secure the Mounting Case to the Chassis.

Increasing the surface area of each of the 4 fixing points with a *Mudguard Washer* will assist in reducing excess vibration and can prevent deformation (or the bolt bursting through the wall) in the case of an accident.

*Spring/Split/Lock Washers* will prevent the nuts from vibrating loose.

Secure the 4 fixing points.

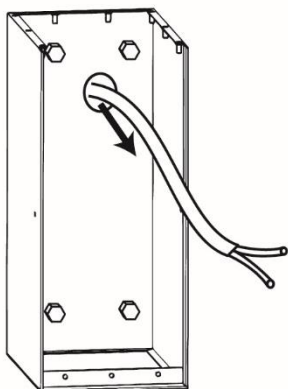
### WARNING

**Disconnect the Vehicle & Dual (Auxiliary) Battery Cables BEFORE installation**

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## Making the Electrical Connections

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Feed all the Service Cables/Wires through the hole/s in the Mounting Case. Double check you have them all:

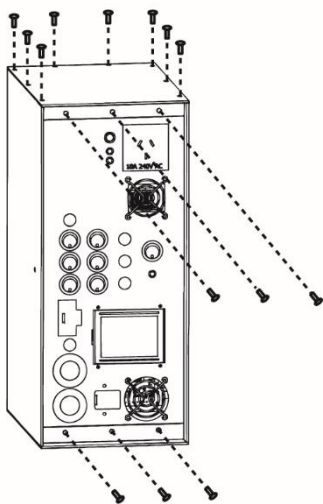
1. Dual (Auxiliary) Battery Cables
2. Cables from the Vehicle Battery
3. Solar Panel cable (if fitted)
4. 10 Pin Harness – Ignition wire, Temp Sensor, Voltage Sensor
5. 12 Pin Breakout Harness – attached to fridge, LED lights etc
6. Mains Kettle Cord

For the Electrical Connections, refer to the **ToughPower Quick Start Installation Instructions** 1-page document that was supplied with the ToughPower.

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## Fitting the Lid

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Using the Screws supplied in the Kit, attach the ToughPower to the Mounting Case.

Then fit and attach the Lid to the Mounting Case using the remaining Screws.