WHAT ARE THE BENEFITS OF A LITHIUM BATTERY OVER A LEAD ACID OR AGM?
Our Campere 100AH lithium battery can be discharged as low as 20% meaning that the battery can offer around 80AMPS of usable power. A standard lead acid or AGM battery should not be discharged lower than 50%, therefore only offering 50AMPS of available power. Furthermore, a lithium battery provide constant voltage right down to 20% depth of discharge (DOD). Recovering time (recharging) is another major advantage as they can be fully recharged in as little as 2 hours, whereas a lead acid or AGM can take up to 2 days. Weight is a major concern for caravaners and a 100AH lithium battery weighs only 13KG as oppose to 33KG (approx.)

WHAT IS THE LIFESPAN OF A CAMPERE 100AH LITHIUM BATTERY?
Typically a standard battery will last up to 5 years or 1500 cycles when DOD is no greater than 50%. In comparison, a lithium battery will last up to 8000 cycles.

WHAT TYPE OF CHARGER SHOULD I USE WITH A LITHIUM BATTERY?
All Campere batteries have a built in battery management system (BMS) that protects the battery cells from overcharge, undercharge and over temperature. In most cases, a standard charger with an AGM profile can be used as the bulk charging rate for AGM is slightly lower than lithium. Ideally though, a lithium specific charger will charge the battery to full capacity faster.

CAN I USE A LITHIUM BATTERY UNDER THE BONNET OF MY CAR?
No. The under bonnet temperatures exceed the operating temperature range of a lithium battery.

CAN I USE A LITHIUM BATTERY AS A STARTER BATTERY?
No. The build in BMS only permits the flow of current up to 80AMPS. Starting a car requires a massive amount of current and the BMS will switch off if this is attempted. Lithium batteries are ideal for powering low current devices for a long period of time.

HOW LONG CAN I POWER MY 12V FRIDGE USING A CAMPERE LITHIUM BATTERY?
Camping fridges vary in power consumption depending on capacity. A small 40-50L fridge will consume around 2AMPS per hour. Providing the battery is charged on a daily basis, you will be able to power your fridge for an infinite amount of time. If the battery is not charged daily, you could expect it to run the fridge for around 2 days after which case it would need to be fully charged again. In sunny conditions, a 120W solar panel should provide enough charge throughout the day to enable the battery to run the fridge through the night. A larger solar panel would be required for a higher capacity fridge.

WHAT IS THE WEIGHT OF A CAMPERE 100AH LITHIUM BATTERY?
Campere lithium batteries weigh only 13KG as opposed to around 33KG for an AGM or lead acid battery.