



## Gen V Viper Lithium Ion Battery Kits

### Overview:

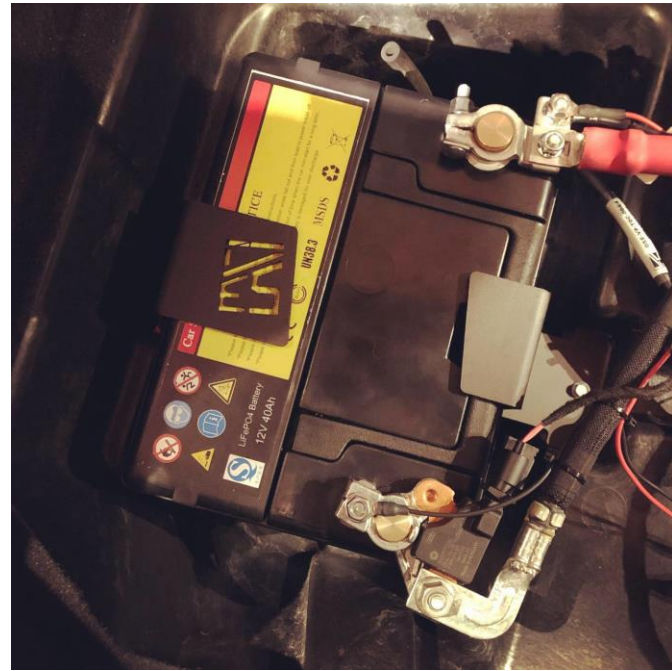
These are 12.5 lb and 10.2 lb net weight lithium ion battery, charger, and bracket kits. This kit saves around 20+ lbs depending on the weight of the OEM or replaced battery.

### Compatibility:

These are bolt-in kits for Gen V Vipers. This battery will function well under OEM electrical equipment loads. The alternator is designed to sustain OEM electronics with the engine running. Extended accessory operation without the engine running may drain the battery more quickly than the OEM battery. The 12.5 lb kits provides additional engine off capacity vs the 10.5 lb kit.

Evaluate the load of aftermarket electronic accessories prior to using them with this battery. Significant aftermarket electrical loads may not work well in conjunction with this battery (large stereo systems, etc.)

As with any lithium battery, it does not charge well under 0 degrees C and is not suited for cold weather use.



***Battery kit Installed in a Gen V Viper***

### Construction:

The battery is constructed to withstand the rigors of the automotive environment. The mechanical build is designed to be robust and handle vibrations well. Internal electrical circuitry ensures a safe worry free experience when using the battery properly. The protections include: Individually Protected Cells; Over Charge; Over Discharge; Short Circuit; Penetration; Thermal Shock; Protection against fires; Protection against explosions. The battery is electrically sized to perform well under most conditions.

### Weight:

Battery and bracket weigh just 12.5 or 10.2 lbs when considering the weight savings to the OEM battery brackets.

### Electrical Specifications:

Nominal Capacity:	40 Ah (12.5lb) or 30 Ah (10.2 lb)
Nominal Voltage:	12.8V
Cranking Amps:	1000A
Charge Temperature:	0-45 degrees C
Discharge Temperature:	-20-60 degrees C

### Ordering Information:

DSE-VP-BA-005: Gen V 12.5 Pound Lithium Ion Battery Kit  
DSE-VP-BA-006: Gen V 10.2 Pound Lithium Ion Battery Kit

### Recommended Charging Accessories:

DSE-VP-BA-003: Gen V Quick Access Charger Connector Mount and Harness

### **Installation Guide:**

- Gain access to the battery by removing the load floor.
- Remove the battery bracket(s) securing your OEM battery.
- Remove the battery terminals, starting with the positive connection taking care to ensure they do not touch each other.
- Install the DSE battery with two-piece bracket. Ensure the battery is orientated square to the bracket while tightening.
- Ensure the battery is secure and does not move in the mounted location.
- Reinstall the battery terminals starting with the negative terminal.

### **Inspection and Maintenance:**

- Only use the charger included with the kit to charge this battery.
- Periodically check the battery is secure.
- Voltage should remain between 13V and 14.5V depending on the level of charge.
- When the vehicle is not to be run for extended periods of time (several days), keep the battery on charge with the provided charger and/or put the car into hibernation mode.
- It is ideal but not necessary to keep the battery on charge at all times. The charger connector accessories listed above allow a convenient means by which to do this.

### **Thank you for your purchase!**

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