



**RECREATIONAL  
VEHICLES**

# Boondocker Solar Package

**DURANGO**  
— GOLD —

**DURANGO**

**VENOM**  
— V-SERIES —

**VENOM**

**VENOM**  
— V-SERIES —  
**SPEED / UTV**

Go. Camp. Live.



### -System Overview-

- 24 volt system
- 5000 Watt Inverter/charger
- 1700 watts of solar
- 400 AH 24 Volt Batteries ( same as 800 AH 12 volt )
- Wifi & bluetooth monitoring
- Expandable to add additional batteries
- Auto Gen start option ( for an on board generator )



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## Inverter / Charger



### Victron Quattro Inverter / Charger

**Core Function:** Converts DC battery power to AC household power)

- 5000 Watt Continuous Power Output 120 Volt AC
- Built In AC charger 24 volt 100 Amp ( Equal to 200 Amp 12 volt )
- Built in automatic transfer switch 50 Amp 120 volt pass through



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## Victron 100 Amp MPPT Solar Controller

**Core Function:** Goes between the solar panels & the battery.

Keeps the battery from over charging from the solar panels

- 100 Amp Capacity
- Bluetooth capable



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## Smart Shunt



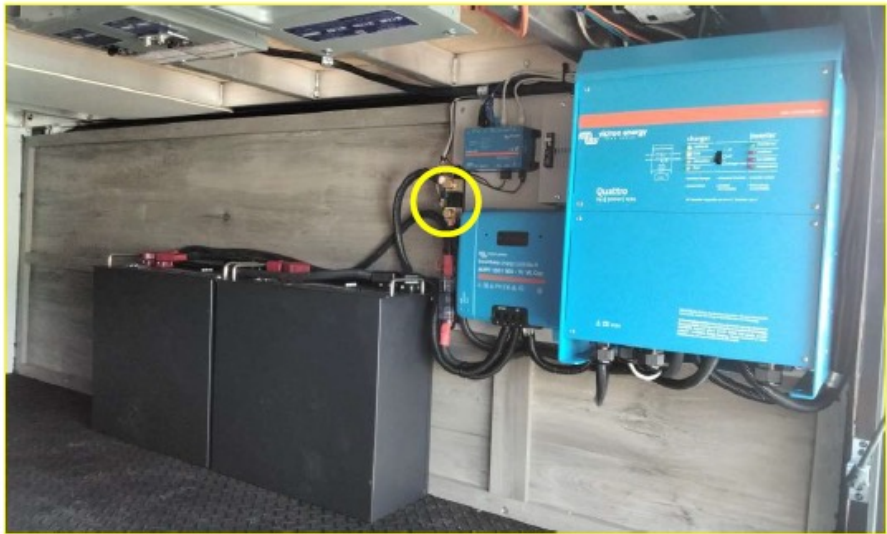
### Victron Smart Shunt

**Core Function:** Measures all current flow going into & out of the battery.

- Provides Accurate SOC % of battery.
- Bluetooth capable



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## Smart Shunt



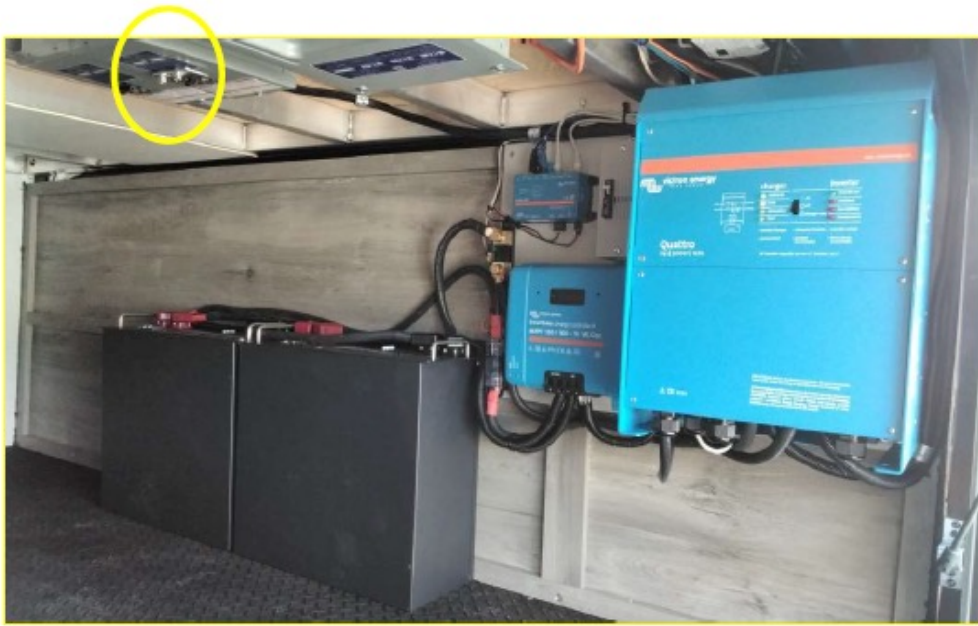
### Victron DC-DC Converter & Battery Protect

**Core Function:** Converts 24 volt DC to 12 Volt DC. Also has a low battery protect

- Provides power to all the 12 volt loads
- Disconnects on low voltage to protect the batteries internal BMS from shutting off when the battery gets low.
- Also Bluetooth capable.



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## Transfer Switch



## Transfer Switch

**Core Function:** Manual By-passes complete solar/battery system

- For Emergency Use or if system fails



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Battery (front view)



## Batteries Rubix 24 Volt 200 AH Lithium

- 2- Modular Batteries 24 volt 200 AH each equal to 400 AH 12 Volt



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# Additional Components

Digital Display Inside Of Unit



Phone App ( Victron Connect )



Fuse's On Roof To Protect The Panels & The Wiring



8- 220 Watt Solar Panels



Converter (to jump start batteries)  
Emergency Use Only



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