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VEHICLES**

# Boondocker Solar Package

**DURANGO**  
—GOLD—

**DURANGO**

**VENOM**

**VENOM**  
**SPEED/ADVENTURES**

Go. Camp. Live.

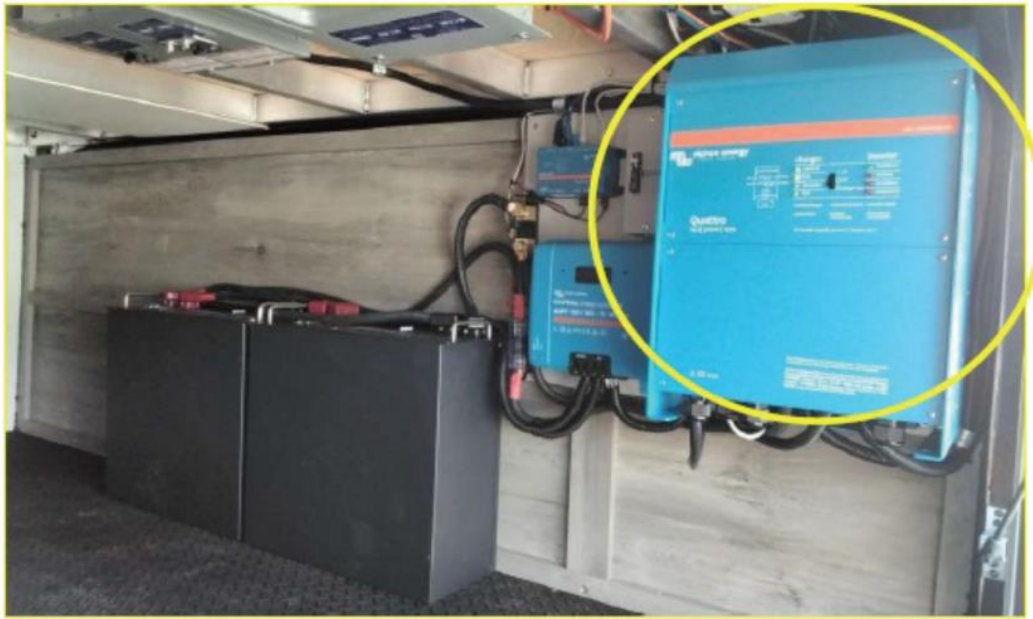


### -System Overview-

- 48 volt system
- 5000 Watt Inverter/charger
- 1,760 watts of solar
- ( 2 ) 200AH 48V Lithium Batteries (equal to ( 8 ) 100AH 12V Lithium Batteries )
- 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 48 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 48 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 48 Volt 200 AH Lithium

- 2- Modular Batteries 48 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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