



# **TERRAVAN**

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## **ECLIPSE**



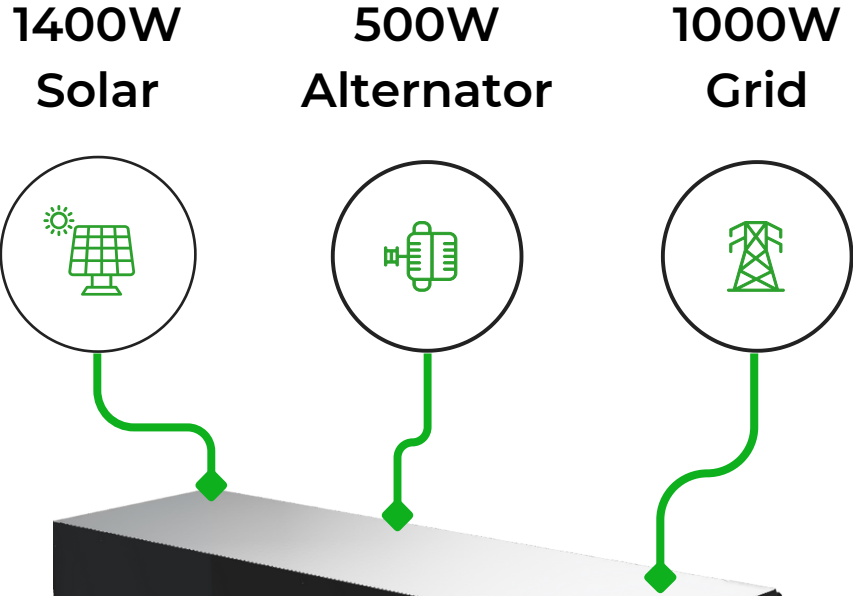
## **ECLIPSE**

The Terravan Eclipse is a truly plug-and-play solution for powering your van or school bus conversion. It was designed with a cavity purposefully to fit modern cargo vans and many other vehicles situated above the internal wheel well.

The unit features a built-in distribution panel with all hook up points, making for an extremely seamless integration into your conversion.

# How It Works

Charge It



12V DC OUT  
100A / 1200W

24V DC OUT  
150A / 3600W

AC 120VAC OUT  
3000W / 30A

Power It



# Technical Specifications

## INVERTER CHARGER

Max Rated Power	3000VA/3000W
Input Voltage AC (Charging)	120VAC
Input/Output Frequency	50/60 Hz.
Output Voltage	120VAC +/- 5%
Output Waveform	Pure Sine Wave
Peak Efficiency	>95%
Max AC Charging Current	40A

## SOLAR CHARGER

Max PV Input/Output Power	1400W/1400W
MPPT Input Voltage Range	30-85VDC
Max PV Open Voltage	100V
Max Input Current	40A
Max Charge Current	60A

## ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-4 °F to 122 °F
Storage Temperature	32°F - 131°F
Humidity	5%-95%

## 12V AUXILIARY PORT

Nominal Voltage	12V
Max Output Current	100A
Max Output Power	1200W

## ALTERNATOR CHARGER

Max Input/Output Power	760W/760W
Voltage Input Range	10V - 18V
Max Charging Current	30A
Algorithm	Smart Isolator
Smart Alternator Support	Yes

## MECHANICAL SPECIFICATIONS

Dimensions	45" x 13" x 17" (LWH)
Weight	90 - 130 lbs
Mounting Options	Floor Mount

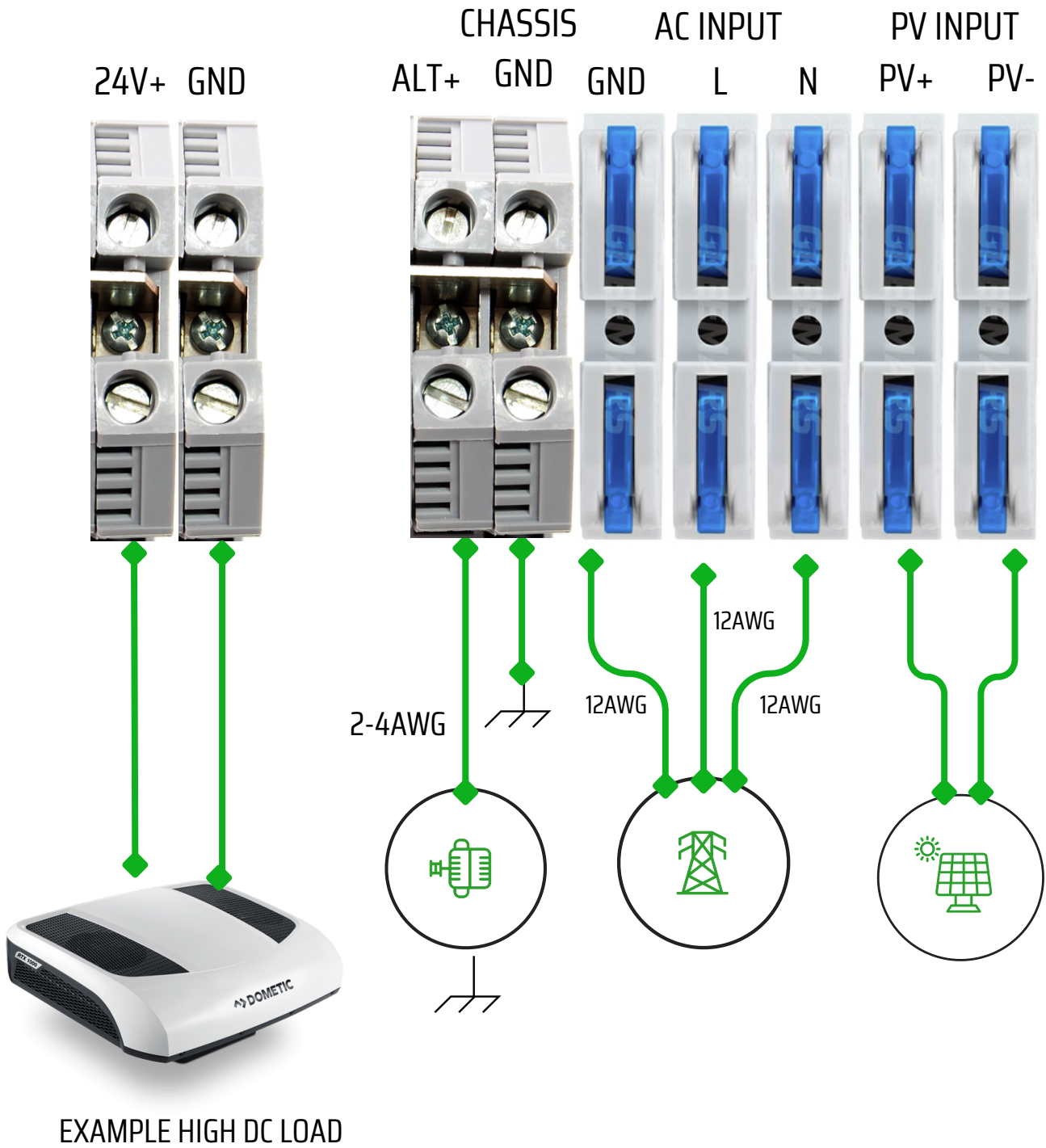
## BATTERY SPECIFICATIONS

Chemistry	LifePo4
Nominal Voltage	25.6V
Capacity Standard	170Ah / 4.325kWh
Capacity Extended	340Ah / 8.7kWh
Protection	BMS + Fusing
Voltage Range	20V - 28.8V
Max Continuous Current / Power	200A / 5120W
Cycle Life	3500 Cycles
Battery Heating	Built in auto heater



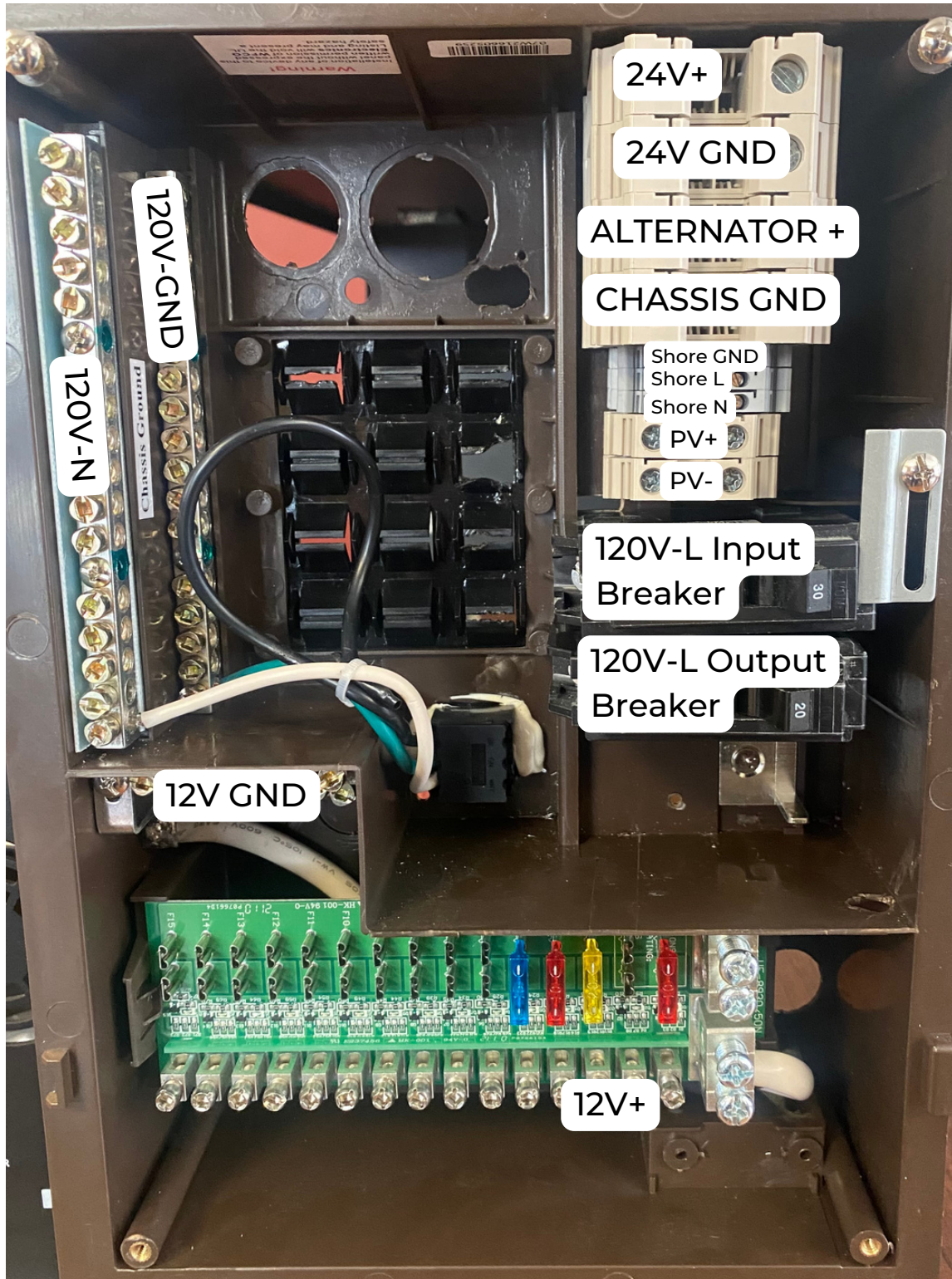
# Distribution Panel

## Connection Points - Power



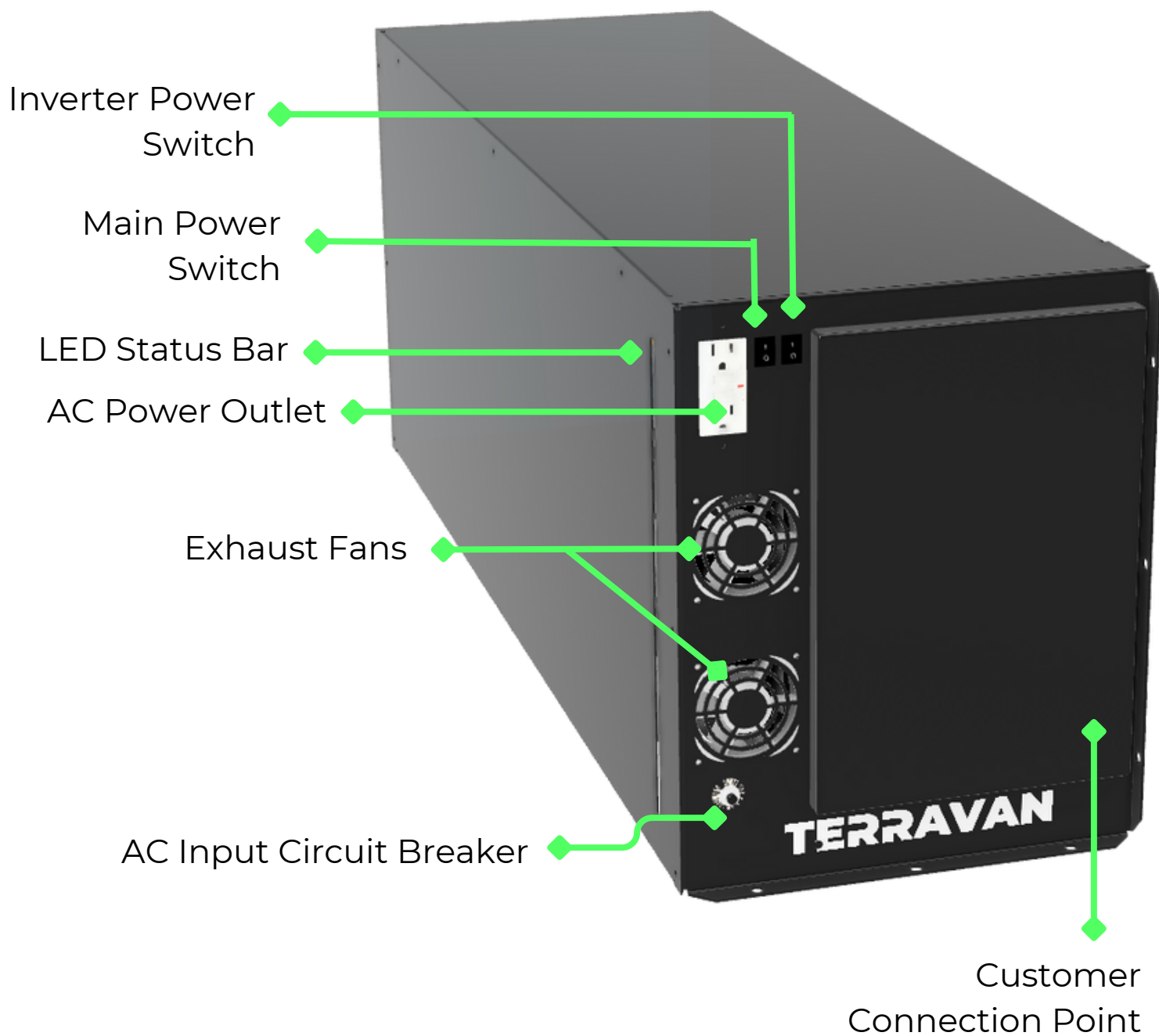


# Distribution Panel Connection Points



# Product Details

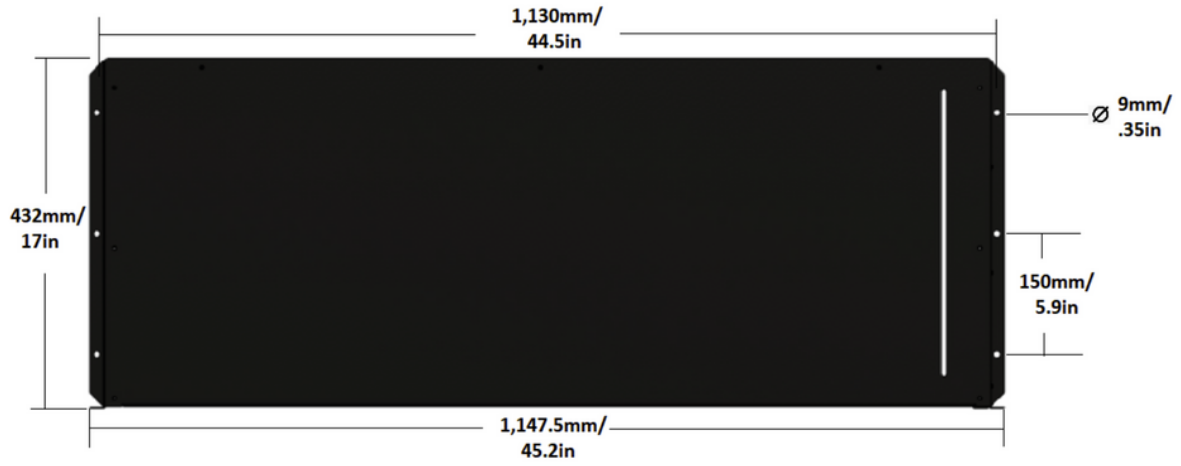
## External Components



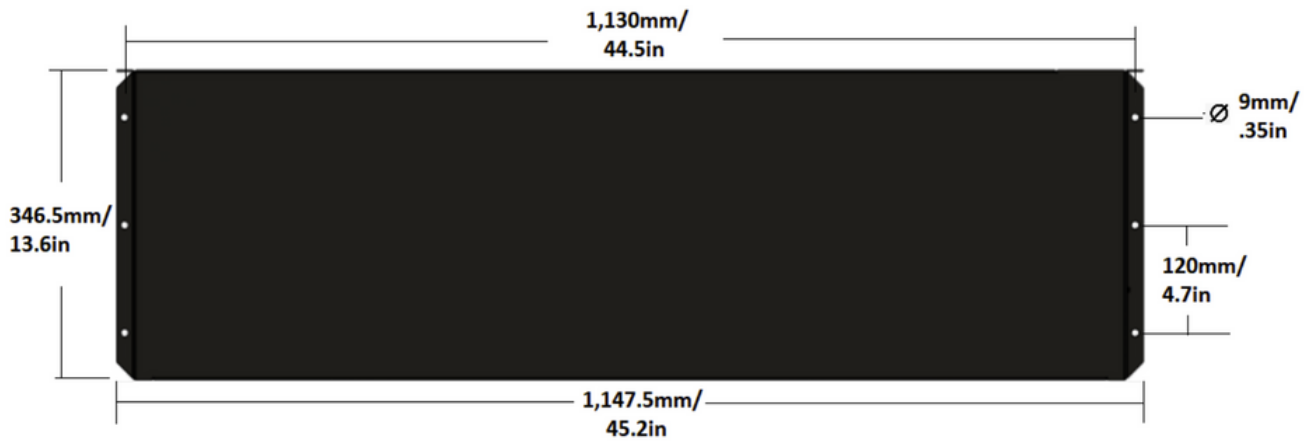
# Mechanical Description

## Mounting Points

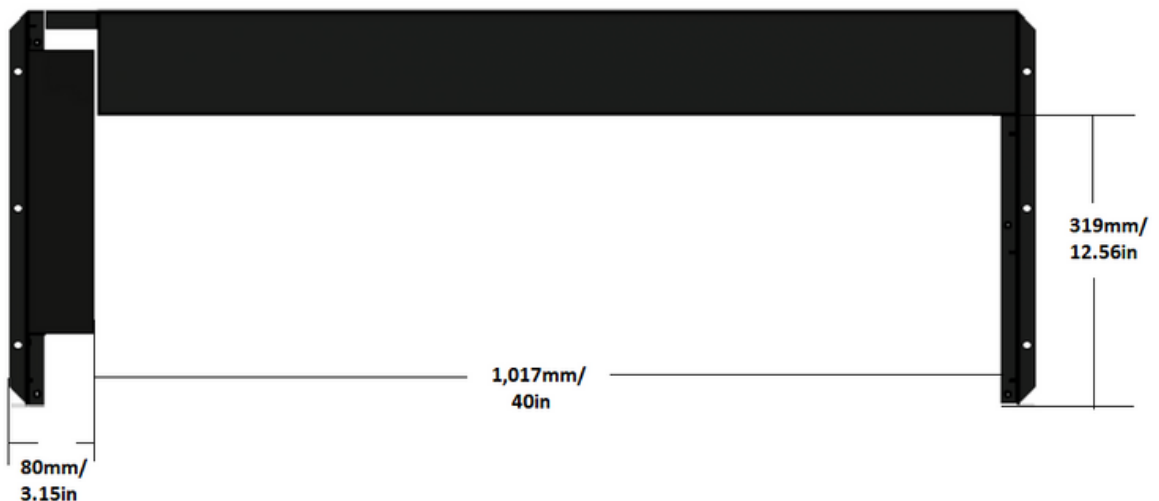
Front View



Top View



Back View

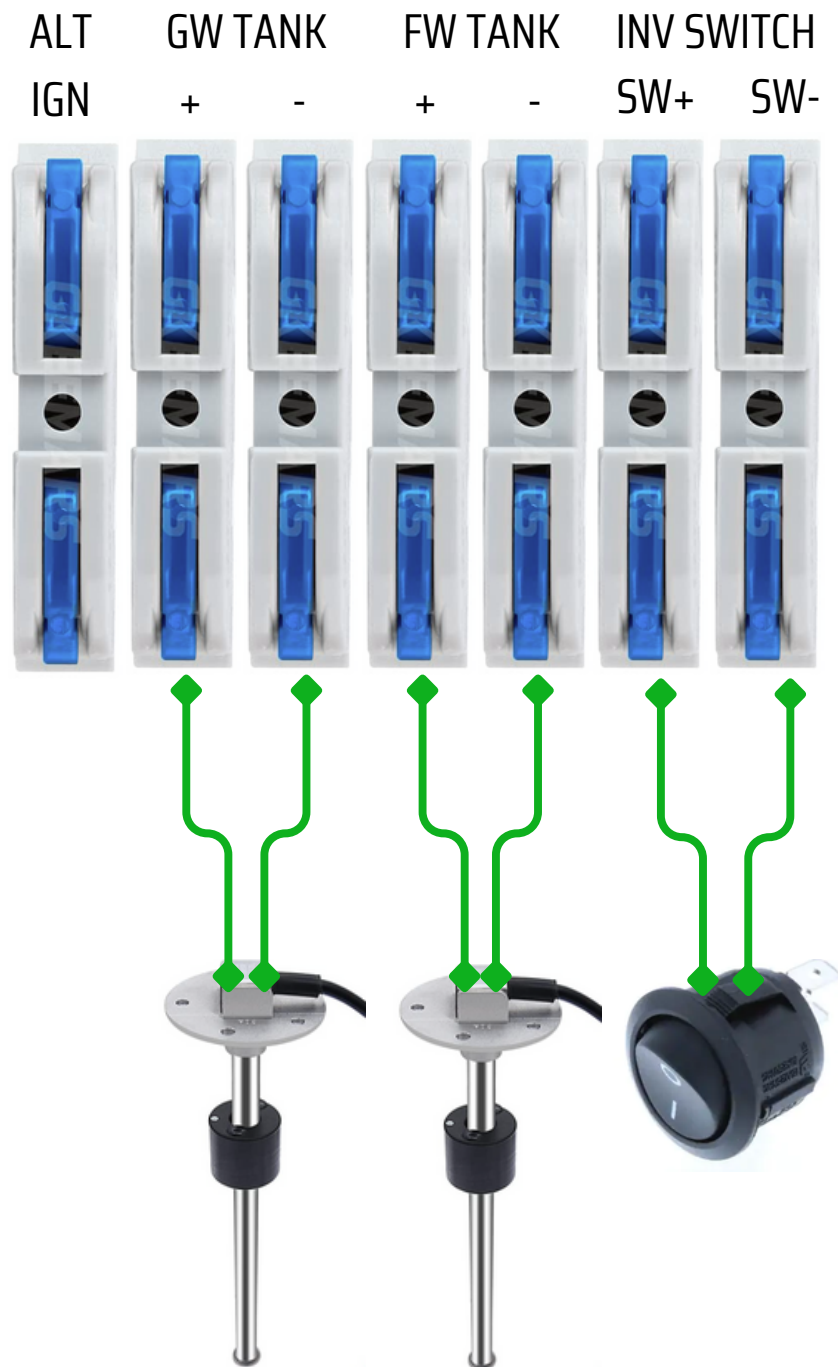




# Distribution Panel

## Connection Points - Signal

FW TANK: Freshwater Tank Level Sensor  
GW TANK: Greywater Tank Level Sensor



# Distribution Panel Connection Points

