

51V to 12V High Power DC to DC Converter

CHARGER SERIES

CAT # : 52-158-51-12-2500



Buck Charger Details

2,500W

Water & Vibration Resistant

Key Benefits

- ✓ **High Power Level: Efficiently converts voltage for house power applications**
- ✓ **Under Voltage Shut Off: Eliminates the chance of over-discharge of the battery**
- ✓ **Short Circuit Protection: Auto resets when short is removed**

Advanced Power Conversion

The DC-DC Converter is engineered with advanced high-frequency power conversion technology to transfer power from the 51V house battery to 12V chassis loads. Our DC to DC converter provides a high efficiency stabilized output for various appliances.

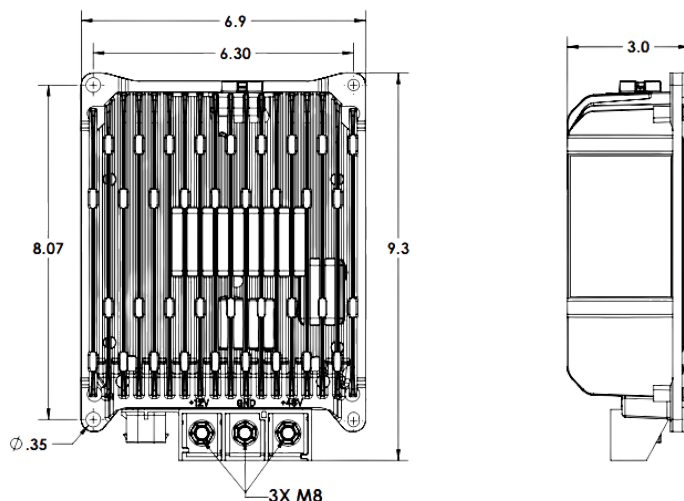
DIMENSIONS

Size (L x W x H):

9.3" x 6.9" x 3.0"
(236.2 x 175.3 x 76.2)

Weight:

6.5lbs
(2.94kg)



SPECIFICATIONS

VOLTAGE AND CAPACITY

Input Voltage: 40-59V
Output Voltage: 13.8V±0.2V
Max Output Current: 178A
Operating Temperature: -40 to 120C

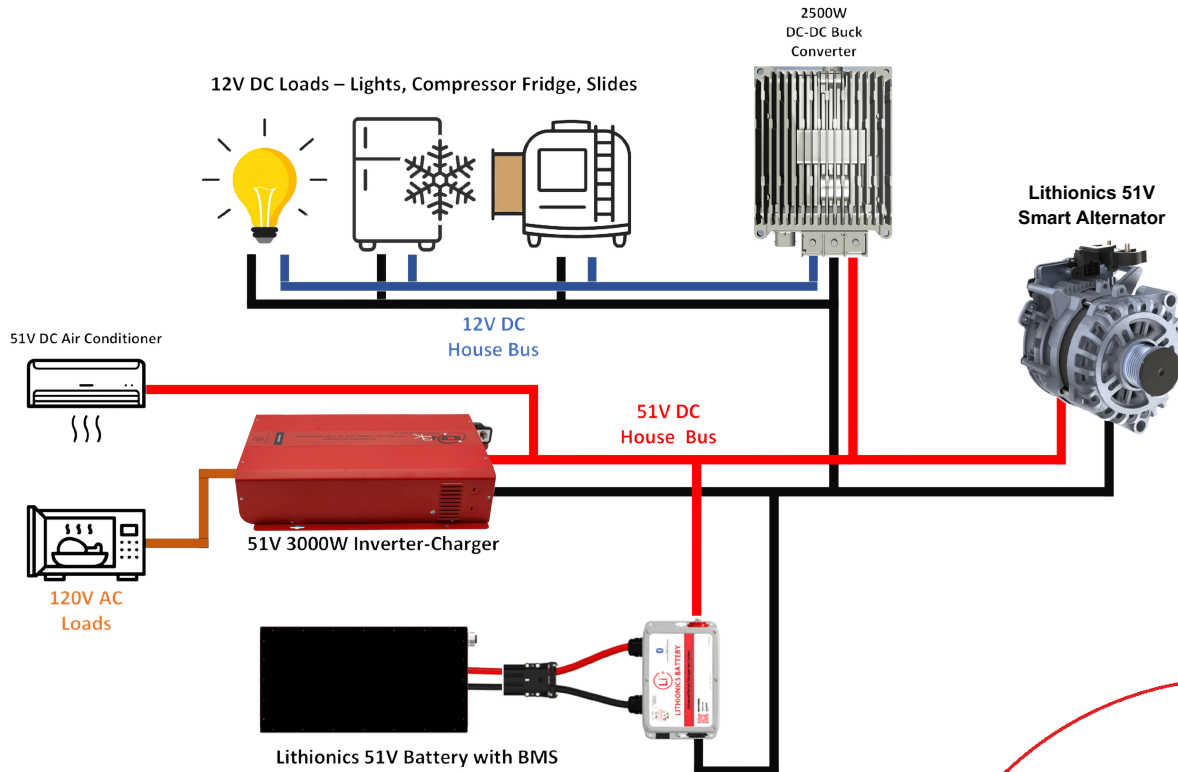
ELECTRICAL

Efficiency
≥90% @5% load
≥95% @100% load
Idle Power
2W

MECHANICAL

Ingress Protection: IP67

SYSTEM DIAGRAM



Powering Innovation.

Discover the right lithium replacement system for you. Reach out to Lithionics' expert support team to find your perfect power solution.

DS-022