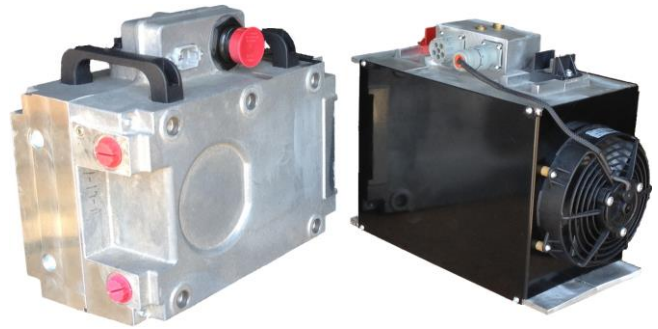


**Arens Controls**  
**DC-DC Converter**  
POWERPAC™ Series

The POWERPAC DC-DC Converter simplifies hybrid and electric vehicle design by converting high-voltage power from the hybrid battery down to 12 or 24VDC for traditional accessories and systems. Lights, windshield wipers, radios, indicators and ancillary vehicle systems that require traditional vehicle voltages can be easily powered with this rugged DC-DC Converter.

The DC-DC Converter is available in a Liquid- or Air-Cooled Chassis depending on the Vehicle OEM power requirements. Rated to 4kW of power, the DC-DC Converter delivers the industry's highest power density, highest surge capacity and highest continuous operating temperature rating. The chassis is sealed to IP67 / 6K9K and fits in a Group 31 size battery compartment.

The rugged components are equipped with CAN J1939 Communication capability, self-diagnostics software and intelligent thermal protection.



The POWERPAC series is purpose-built for on-highway and off-highway applications. The POWERPAC Hybrid Vehicle Component Series have over 500 million vehicle miles of on-road service in punishing municipal bus and service truck applications, delivering proven technology in the field and on the road.

**SPECIFICATIONS**

**ELECTRONICS**

**DOWN CONVERT**

DC Input Voltage	280V minimum 360V nominal 440V maximum
DC Output Voltage	9V minimum 14.2V nominal 16V maximum
DC Input Current	16A continuous
DC Output Current	280A continuous

**ELECTRONICS**

**UP CONVERT**

DC Input Voltage	10.5V minimum 14.2V nominal 16V maximum
DC Output Voltage	250V minimum 280V maximum
DC Input Current	280A continuous
DC Output Current	15A continuous

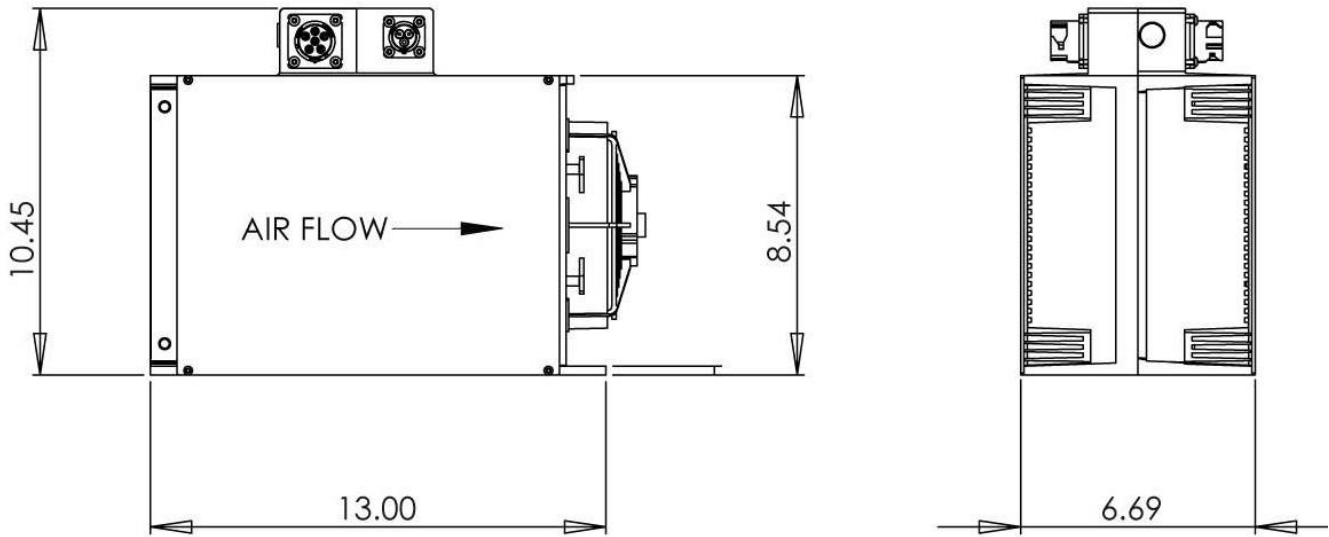
**MECHANICAL**

Weight	46 lbs
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**ENVIRONMENTAL**

Operating Temperature	-40 to 75°C
Storage Temperature	-50 to 105°C
Sealing	IP67 / IP6K9K
Isolation	2000Vdc isolation from the 360Vdc side to the 14.2Vdc or the chassis

**AIR COOLED CHASSIS MECHANICAL DIMENSIONS (mm)**



**LIQUID COOLED CHASSIS MECHANICAL DIMENSIONS (mm)**

