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  
| 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  

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.
AIR COOLED CHASSIS MECHANICAL DIMENSIONS (mm)

LIQUID COOLED CHASSIS MECHANICAL DIMENSIONS (mm)