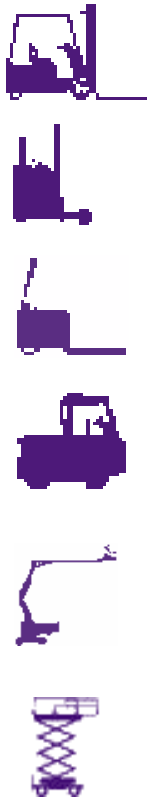




## STANDARD CONTROLLER FEATURES

- ◆ High Frequency – silent operation
- ◆ Regenerative braking
- ◆ **CAN** (Controller Area Network) communications
- ◆ **RS232** communications
- ◆ Removable logic unit
- ◆ Three logic options – low medium and high I/O
- ◆ Up to 10 contactor drives
- ◆ Diagnostic LED

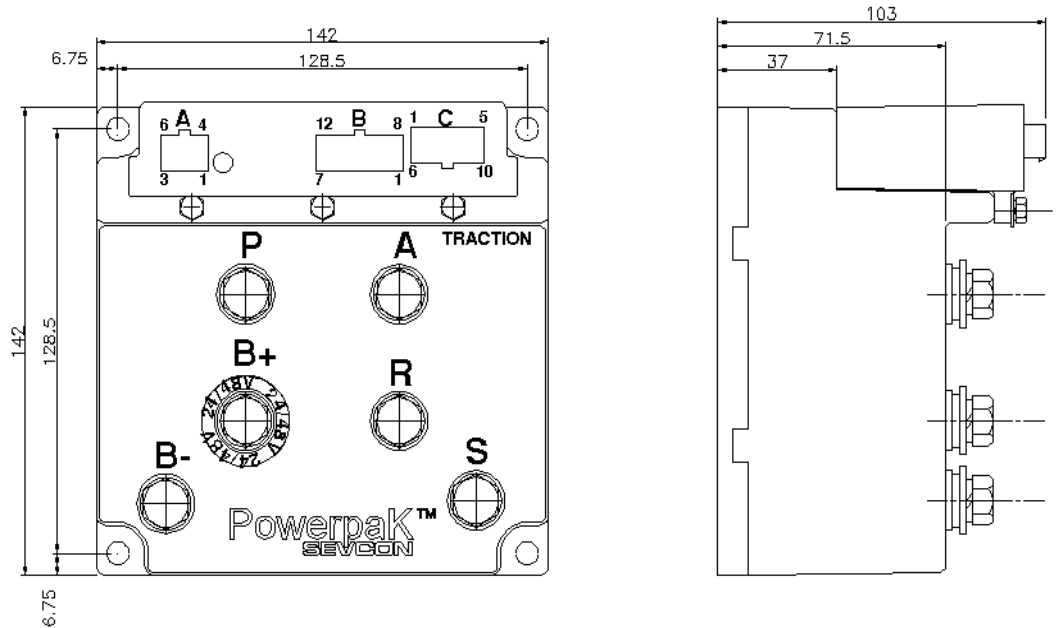


## Low to High Power Traction Motor Applications

The most striking characteristic of the PowerpaK range is its physical size. The ultra compact design provides an unrivalled power – dimension ratio which optimises the power /size / cost relationship. The end result is a controller that is capable of the same power output but utilises up to 75% less space than conventional designs. This allows up to 600A / 80V capability from the standard PowerpaK footprint of 142mm \* 142mm.

The primary benefits of the PowerpaK DC Series Traction controller are as follows: -

- ◆ **Minimum Enclosure Requirements** – providing increased flexibility of vehicle design and freeing up space for auxiliary components such as contactors, fuses etc.
- ◆ **Ease of Installation** – compact size allows greater access to connection points. Reduced weight eases installation.
- ◆ **Flexible Mounting Arrangements** – reduced size and square footprint allow increased options on mounting plane enabling optimum use of enclosure space.
- ◆ **Ease of access for Servicing / Maintenance** – increased visibility and access to service points – diagnostic LED, logic connector, calibrator port, field replaceable sealed logic unit.
- ◆ **Diagnostic and set-up tools** – adjustments can be made using a handheld calibrator or via an RS232 connection to a computer running the Sevcon PCpaK diagnostic software.



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## Powerpak Series Traction Electrical Specification

Voltage	Current Rating 1 Minute	Current Rating 1 Hour
<b>24/48V</b>	<b>300A</b>	<b>100A</b>
<b>24/48V</b>	<b>450A</b>	<b>150A</b>
<b>24/48V</b>	<b>650A</b>	<b>220A</b>
<b>72/80V</b>	<b>450A</b>	<b>150A</b>
<b>72/80V</b>	<b>600A</b>	<b>175A</b>

## Powerpak Series Traction Outline Specification

<b>Enclosure protected to IP55</b>
<b>Vibration 6G, 40 – 200Hz, 1 hour in x, y, and z planes</b>
<b>Operating temperature – 30°C to +40°C</b>
<b>Storage temperature – 40°C to +70°C</b>
<b>Frequency 16KHz</b>
<b>Dimensions 142 (L) * 142 (W) * 103 (H) mm</b>

This product bulletin is for outline specification only. For specific application data; the full engineering specifications available from Sevcon should be used. Sevcon is constantly striving to improve its products and reserves the right to alter specifications without notice.

Rev. 12 Sept. '01

