

Infinitybox™ J1939 POWERCELL



Product Description:

The J1939 POWERCELL gives you a modular and flexible power distribution unit. It uses solid-state MOSFETs on each output for rugged and durable control.

You can connect any J1939 input device to the POWERCELL to control the outputs. These include switch panels, touch screens and other J1939 enabled controllers.

You simply connect power and ground to the cell, connect your loads to the POWERCELL outputs and connect your J1939 input device. The POWERCELL is programmed to accept J1939 CAN messages from a variety of sources to control the outputs. You can select from a variety of output behaviors including tracking, toggling, timing, patterned, delayed and pulse-width modulated. Custom behavior can be programmed at the factory. Contact for details.

The POWERCELL is a completely integrated power distribution module. It includes the switching through MOSFETs, integrated fuse holders to protect the wire harness and indicator LEDs on each output to ease diagnostics and troubleshooting.

Product Features:

- Simple power distribution through any J1939 input device
- Available for 12 & 24-volt vehicle systems
- 10 outputs per each POWERCELL
- Solid-state MOSFET outputs
- Internal fuses for harness protection
- Up to 6 POWERCELLs on one J1939 Network
- Standard automotive connectors for simple harnessing
- Enclosures sealed for mounting flexibility
- Integrated output LEDs for output status and diagnostics
- Output configuration set by CAN messages sent from J1939 input device

Technical Specifications:

- Dimensions: 2" x 6 7/16" x 7 3/16"
- Input voltage range:
 - 12-Volt Variant: 6.0 - 14.2 VDC
 - 24-Volt Variant: 6.0 - 32.0 VDC
- Maximum number of nodes: 10
- Output node technology: MOSFET (up to 25-amps)
- Output switch type: High-Side
- PWM nodes: 8
- Maximum temperature: 125°C
- Built-in diagnostics status indicators on all output nodes
- Standard node application library
- Enclosures and connectors sealed to IP67
- Standard Delphi Packard connectors & terminals
- All materials UL 94V0
- J1939 PGN Range: FF00 to FF0F
- J1939 Source Address: 30 Decimal
- J1939 Bittate: 250 kb/sec
- J1939 Message Size: 8 bytes