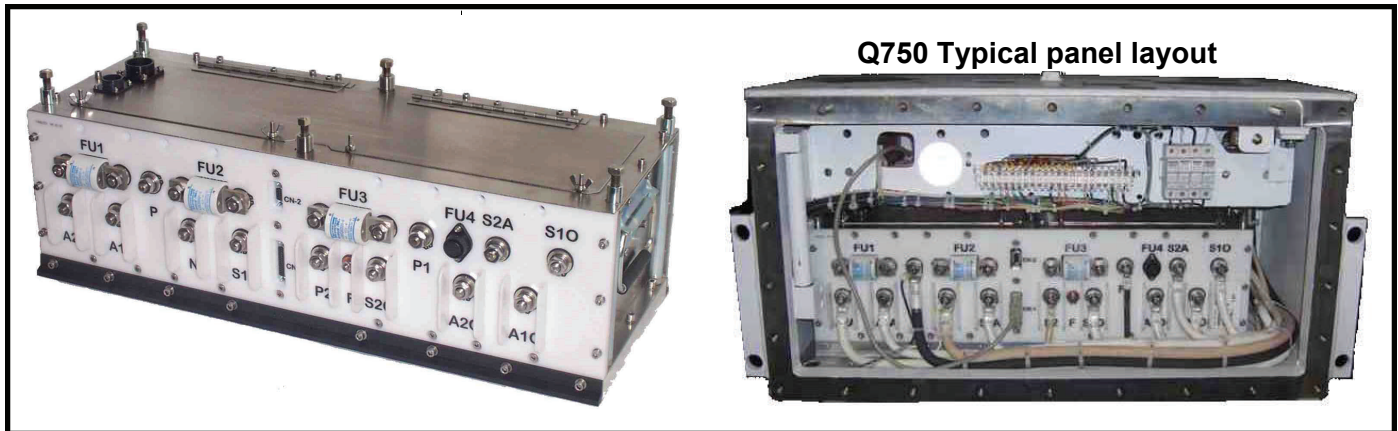


# Q750 Series

## Digital DC/DC Coal Hauler Controller

### 50HP at 120VDC



Q750 Typical panel layout

- Compact, digital DC/DC traction drive for Scoops, Coal Haulers and Utility Vehicles
- Single motor or dual motor operation
- Microprocessor based drive system using the latest NPT (non-punch through) IGBT technology
- Automatic motor speed-limiting
- Compact enclosure houses all power control devices, capacitor bank, and soft start devices
- Torque control mode provides superb traction and acceleration
- Rugged, short circuit proof power circuit provides excellent long term reliability
- Comprehensive display housed in XP headlight enclosure
- Uses the same digital operator and user interface as our A400 JD400 Q800 and VFD drive systems
- Multiple control options: standard analog foot switch, Radio Remote Control, Operator Station, PLC,
- Regenerative braking provides smooth, powerful, braking down to almost standstill. This feature greatly prolongs life of mechanical brakes
- Backwards compatible with all existing Saminco A750 systems
- Solid State Reversing eliminates directional contactors from the system

**Specifications:**

<b>Input Voltage:</b>	128V battery (80V min –160V max)
<b>Output Voltage:</b>	0 to 98% of input voltage
<b>Output current:</b>	Tramming: 350A continuously, 1600A peak for 10 sec. (Single motor) Regen Braking: 350A
<b>Motor HP range:</b>	50HP at 120VDC

Model	Part Number	Description	Input V	Output Power
Q750	A800355	Single Motor 50HP 120V	80VDC 160VDC	42kW 350A at 120VDC
Q750	A800357	Dual Motor 50HP 120V	80VDC 160VDC	2x 42kW 350A at 120VDC