The broad variety of analog input types and configuration options provide unsurpassed flexibility and simplified integration. Configuration uses existing Allen-Bradley® Connected Component Workbench™ (CCW) programming software.

Reduce System Costs
The PowerFlex Universal Analog Option Card extends the functionality of your drive by offering eight, configurable, analog inputs. The analog inputs support voltage, current, RTD, and resistance. Mix and match input types to reduce your analog I/O module count. Installation is simplified, and costs are reduced by using a common I/O within your system.

- Eight channels of analog input. Voltage, current, RTD, and resistance inputs provide a flexible solution for applications requiring mixed analog input.
- Any combination of input types may be used at one time (RTD uses channel pairs).
- Features 250 VAC channel-to-chassis ground isolation; 10 VDC channel-to-channel isolation.
- Easily configured using CCW software.
- Channel-selectable filtering for fastest analog update time.
- Lower power consumption.
# 20-750sc-8U Specifications

<table>
<thead>
<tr>
<th>Inputs per Module</th>
<th>8 Voltage, Current, Resistance, (4) RTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module Location</td>
<td>PowerFlex 753/755 Slot 4/5/6</td>
</tr>
</tbody>
</table>
| Input Types                | Voltage - ±50 mV, ±100 mV, 0-5 V, 0-10 V, ±10 V  
Current - 0-20 mA, 4-20 mA  
Resistance - 0-150, 0-500, 0-1000, 0-3000 ohm  
RTD - PT385/3916, Ni618/672, NiFe518, Cu427 |
| Advanced features          | 5 filter frequencies (individually selectable by channel);  
full auto-calibration; on-board error checking;  
open circuit detection for most input types. |
| Update Times (8-channels enabled) | 505 mS @ 4 Hz  
145 mS @ 17 Hz  
60 mS @ 60 Hz  
35 mS @ 240 Hz  
30 mS @ 470 Hz |
| Communication Formats      | 16-bit two’s complement engineering units,  
Engineering units x10 scaled for PID, Proportional Count. |
| Electrical Isolation (continuous) | 10 VDC channel-to-channel  
250 VAC field-wiring-to-chassis-ground |
| Input Impedance            | >10 Mohm Voltage, RTD, <250 ohm, Current |
| Input Overvoltage Protection | +30 VDC continuous |
| Input Overcurrent Protection | 28 mA continuous |
| Common Mode Rejection      | 85 dB @ 50/60 Hz |
| Normal Mode Rejection      | 72 dB @ 50/60 Hz |
| Backplane Current Required | 45 mA @ 24 V max  
150 mA @ 5 V max |
| Thermal Dissipation        | 2.00 Watts, maximum |
| Environmental Conditions   | Operational Temperature: -5 °C - 65 °C (23 °F - 150 °F)  
Storage Temperature: -45 °C - 85 °C (-49 °F - 185 °F)  
Relative Humidity: 5% - 95% (non-condensing) |
| Certifications             | UL/cUL Listed ANSI ISA 12.12.01 (Class I, Div 2, Groups ABCD), CE |
| Recommended                | For RTD, mV, V, or mA inputs: Belden 8761 or equivalent |