

## Lift Truck DC/DC Converter

The VC160 series DC/DC converter is designed for material handling vehicles with an extra wide continuous input voltage range of 36-160 VDC, making it suitable for **80 to 160 VDC vehicles electrical systems**. The high efficiency permits an ambient temperature range from - 40 C to +85 C without derating, forced cooling or the need for heatsinks.

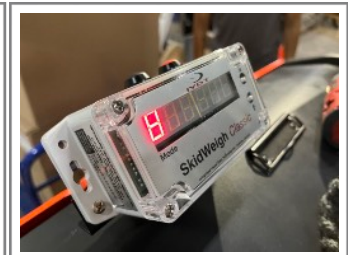
The VC160 DC/DC series converter features over voltage protection, short circuit protection and overload protection.

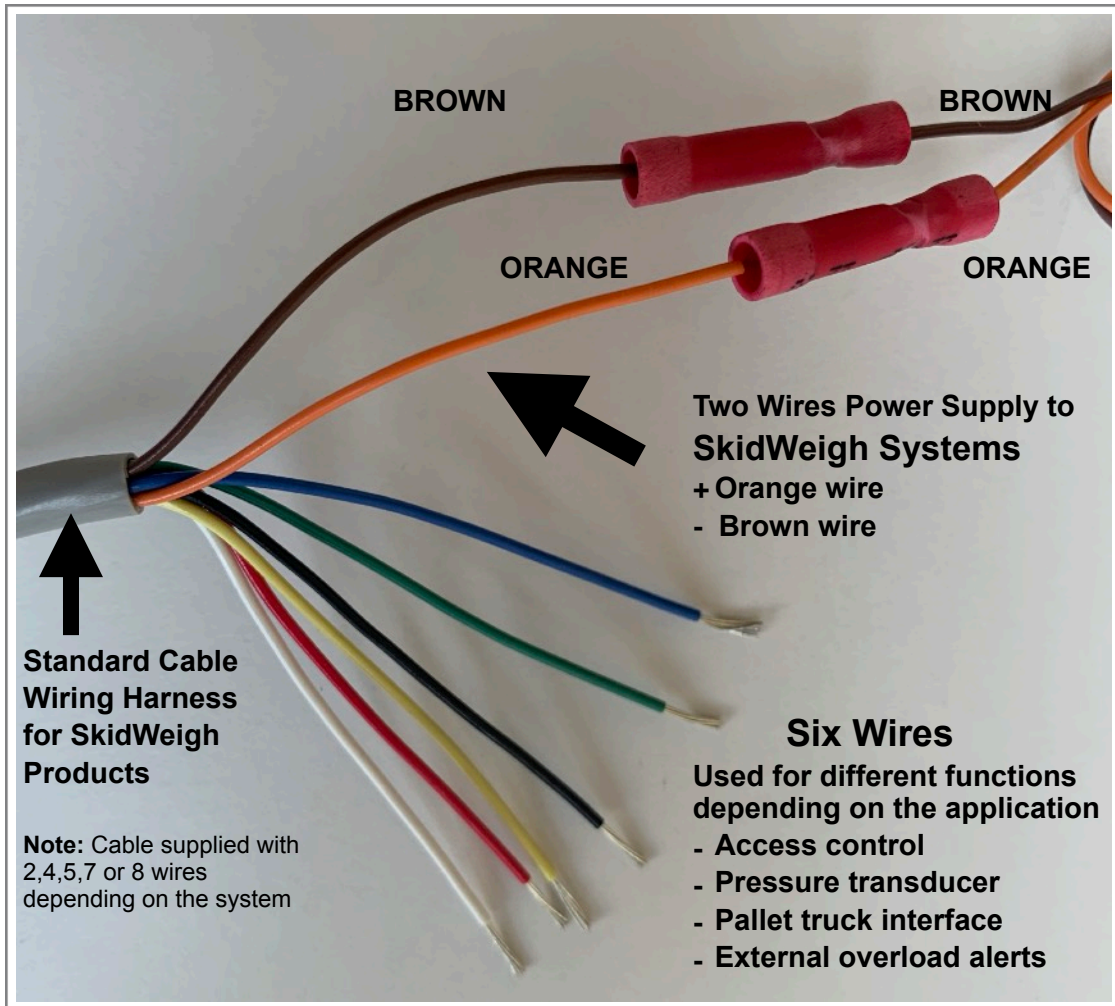
- Input voltage range 36 -160 VDC
- Output voltage 13.3 VDC
- Output Current 1000 mA
- Power 12W
- Efficiency 89%
- EN50155 certified, EN45545-2 compliant, CE marked
- Warranty 3 years

## Application

The VC160 regulated converter is used with all SkidWeigh products installed on material handling vehicles having **operating voltage range from 80 to 160 VDC**.

**Note: All SkidWeigh products are designed to operate from 12 VDC to 55 VDC.**





For SkidWeigh systems used on vehicles with operating voltage from 80 to 160 VDC connect regulated converter output two wire to main wiring harness power supply.

**INPUT Wires (Voltage converter)**

- + RED WIRE (Vehicle On/ Off switch, voltage range 80 to 160 VDC)
- BLACK WIRE, vehicle battery negative

**OUTPUT Wires (Voltage converter)**

- + ORANGE WIRE (Connect to ORANGE wire of SkidWeigh standard cable wiring harness)
- BROWN WIRE (Connect to BROWN wire of SkidWeigh standard cable wiring harness)

