

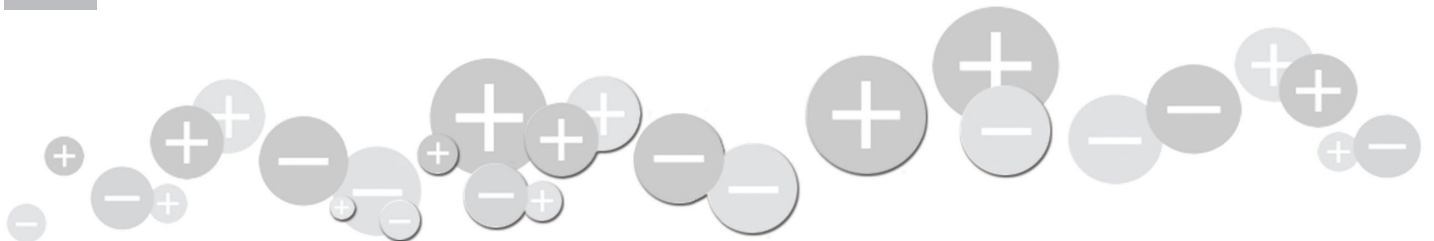


## IQ Power BPS-C

### INTELLIGENT MONITORING POWER SUPPLY

The new BPS-C smart power supply offers an intelligent way to eliminate static charge in systems that pneumatically convey material. The unique features put the BPS-C at the heart of the new Conveyostat system. The built-in indicators on the power supply can alert operators when it is time to clean the bars or if the system has faulted. Dry contacts are available for remote monitoring and operation when the unit is installed in an inaccessible location. Easy single-button calibration at install removes environmental effects and ensures optimal neutralization.

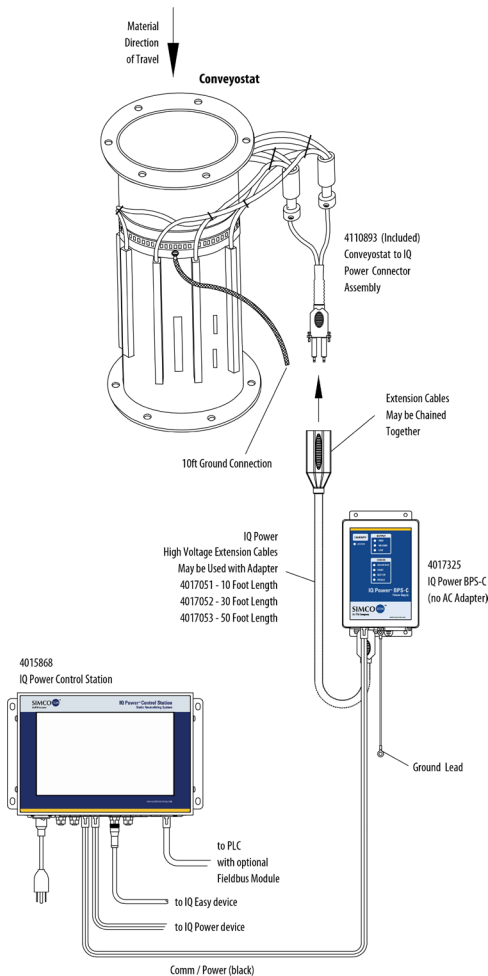
- Easy operation with Clean Bar, Fault, and High Voltage On indicators
- Quickly check bar health with Ion Output readout
- Intelligent monitoring through the IQ Power Control Station allows for real time information to be sent to the PLC or saved to data logs via Ethernet or USB
- Fixed and Manual operating modes to handle every static challenge
- Set custom maintenance alarms using the IQ Power Control Station
- Conveyostat inner bars can be fit into existing systems to bring intelligent monitoring to any conveying process



BPS-C Specification	
<b>Input Voltage</b>	24 VDC, 1.6A, negative ground from AC Adapter or Control Station
<b>Output Voltage</b>	±5 kV
<b>Max Load</b>	Total bar length 600" (15.25m) Total cable length 300' (91.44m) (total maximum connected to the BPS-C)
<b>Dimensions</b>	7.95"L x 4.85"W x 4.17"H [202 x 123 x 106 mm]
<b>Weight</b>	4.28 lb (1.94 kg)
<b>Operating Temp</b>	110°F (43°C) max
<b>Enclosure</b>	Aluminum, blue epoxy powder coated
<b>HV Connectors</b>	2 proprietary IQ Power plug-in outlets
<b>Replacement Fuse</b>	5A, 250V, Type – 3AG, Time Delay

## New Installations

Install the Conveyostat to IQ Power Connector Assembly and then use IQ Power Extensions Cables to connect to the BPS-C. Cable runs of up to 100 ft. are possible by connecting multiple extension cables in series. Power can be supplied by an external 24V power supply, user supplied power, or the IQ Power Control Station.



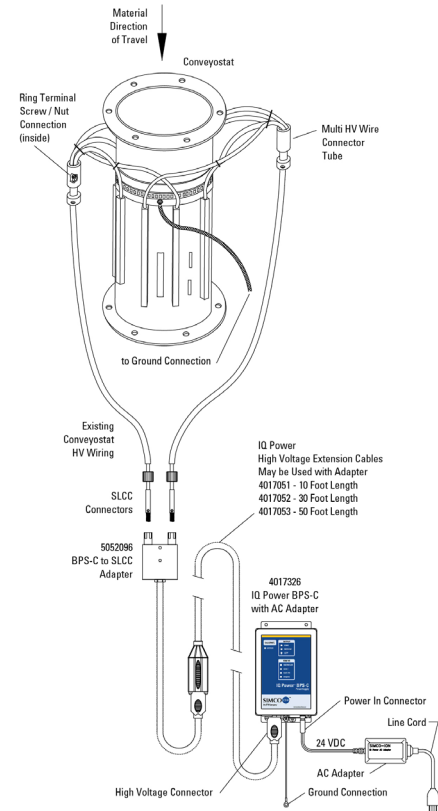
## Control Station

Intelligent monitoring of the BPS-C with the IQ Power Control Station brings total control of static to the Conveyostat. Large touch screen interface provides a visual indication of ionizing performance and static bar condition to keep operators informed. Track changes in the neutralizers over time with data logging of ion currents. User adjustable balance control allows the Conveyostat to be optimized for each system and reduce static to the lowest charge possible. Reduce unnecessary downtime with adjustable clean bar warnings. Optional PLC connectivity brings all the control and monitoring of the IQ Power Control Station into one centralized location.



## Existing Systems

Easily replace aging AC power supplies on existing Conveyostat installs to bring monitoring and smart functionality. No modification to the Conveyostat is required for upgrading to the BPS-C. Simply connect the existing high voltage wires to the power supply by using the BPS-C to SLCC Adapter. The BPS-C can be mounted further away from the Conveyostat by using IQ Power High Voltage Extension Cables for total mounting freedom.



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