

ediPureSource™

LENNTECH

WATER TREATMENT SOLUTIONS

SnowPure's DC Power Product Line

O-005C: Compact 3kW DC Power Supply Designed For EDI
O-015 Controller Required

SnowPure has designed a modular DC switching power supply for its Electropure™ brand EDI modules:

- Compact (5x5x13 inches)
- Economic (has only the features needed)
- Suitable for NEMA vented enclosures
- Controller: Remote Panel-Mount (RS-232) 1/4-DIN
- 200 - 380 VDC, 0 - 8 ADC
- Designed for:
 - XL-400 Series (200 VDC)
 - XL-500 Series (300 VDC)
 - EXL-550 Series (300 VDC)
 - EXL-650 Series (300 VDC)
- Enabled by Remote Interlock (flow switch/pressure switch for auto startup and shutdown)
- CE Compliant



Example: 200 VDC
XL-400-R
O-015 controller



Example: 300 VDC
EXL-650
XL-500-HTS
O-015 controller

Electrical Parameter	Specification Value
Output DC Voltage (Constant Voltage Mode)	200-380 VDC
Output DC Current (Has Overcurrent Protection)	0-8 Amps DC (ADC)
AC Input	180-264 VAC, 1ph, 47/63Hz

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ediPureSource™ O-005C Features	Specification
Protection: Over-Current (Lowers Operating Voltage)	@8.1 ADC
Protection: Over-Current (Shutdown/Fault)	@9-11 ADC
Protection: Short-Circuit (Shutdown/Fault)	Open Circuit
Protection: Over-Temperature (Standby/Fault)	@50°C
Cooling: Speed Controlled Fan	Inlet: Front, Outlet: Rear
Voltage Ripple, Max	< 1%
Power Efficiency Rating (@Full Load)	> 95%
Control Panel, 1/4 DIN (NEMA-12/IP55 When Installed)	p/n O-015
Operating Lights: GREEN (Run) YELLOW (Standby) RED (Fault)	Visible on O-015
Voltage and Current	Visible on O-015
RS-232 Cable (6 Feet)	Included with O-015
CE Compliance	Low Voltage Directives: IEC EN61558-2-16, EN61558-1
Dimensions (O-005C) (Width x Height x Length)	5x5x13.1 inches 12.7x12.7x33.1 cm
Operating Weight (O-005C)	7.5 lb (3.5 kg)
Shipping Weight (O-005C With O-015)	9.5 lb (4.5 kg)

Electropure™ EDI Technology

- No concentrate recirculation or brine injection
- Thin-Cell efficient technology
- Thin-Concentrate non-scaling technology
- Unique non-scaling electrode system
- Patented Excellion™ membranes

Doing business with SnowPure

- Electropure™ EDI technology was born in 1977, before Ionpure®
- SnowPure is privately held
- SnowPure is your partner, not a competitor
- High quality Electropure™ EDI training and OEM support

Benefits of Using EDI

- Continuous Process-no upsets
- Operating cost is minimized
- No hazardous waste, no associated costs and risks
- No regeneration acid or caustic
- Flexible—easy to expand a modular EDI system
- Reliable—no recirculation system components to fail

EDI Technology Training and OEM System Design Support

- SnowPure believes strongly in training—this helps ensure field success with Electropure™ EDI systems.
- SnowPure assists new OEM customers through their system design phase.
- Our customers also have access to our Best Practices P&ID's to aid in their EDI system optimization.
- Combined with ongoing Technical Service, we help ensure success.

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