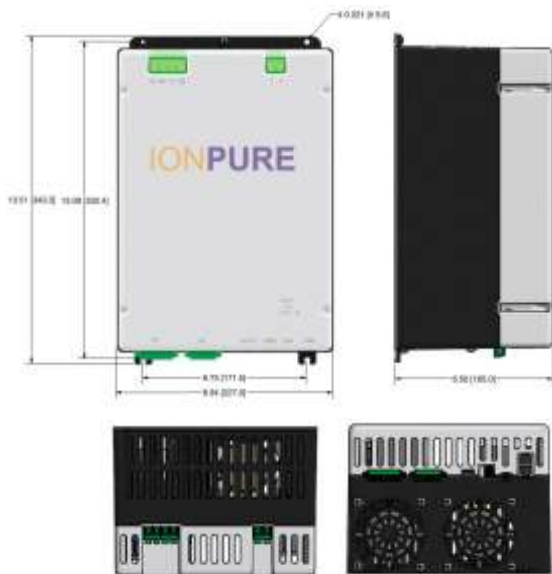




DC3 Power Supply for IONPURE® CEDI Modules



DC3 Power Supply shown above

3-Phase Power Controller

Our most advanced power controller to-date, Digital Communication 3-Phase switch-mode power supply (DC3) combines microprocessor-controlled DC power processing with built-in electrical isolation and MODBUS® TCP communication.

DC3 provides the best solution for providing constant control of current, voltage or power to IONPURE® Continuous Electrodeionization (CEDI) modules for optimized system performance and allows for a more cost

DC3 is a fully enclosed, touch-safe (IP20) power supply capable of providing 0-600 Volts DC and 0-15 amps output. Its heat-sink chassis and dual fans allow for maximum heat dissipation with low noise level while maintaining a compact design.



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- DC output designed to optimize IONPURE CEDI module performance
- Direct connect from line power, no isolation transformer required
- 380-480 VAC, 50/60Hz
- Ijhi!fndjfodz-!4.qibtf!txjudi!npef!qpxfs!tvqqmz-!!!!!! for reduced power consumption vs traditional SCR power products
- MODBUS TCP Ethernet connection
- Adjustable DC voltage and current via external HMI+ or PLC
- On-board diagnostics and alarms
- LED Power and Status indicators
- Daisy-chain thru Ethernet for monitoring of an unlimited number of power supplies from a central location
- Programmable constant control of current, voltage or power
- Manufactured in the USA
- Meets applicable international standards
- Short circuit and transient protection

*Sold separately

Protections

Automatic Power Stage

Over-voltage

Under-voltage

Shorted Output

Input Transient

Over-temperature

Chassis and Output Ground

Conformal Coated

Communications

Programming Port USB

Programming Source PC

Fieldbus Protocol Modbus TCP - Cat5+ Ethernet

TCP IP Address Setting Rotary Dial²

²Base IP address can be changed via IONPURE Power Panel software

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Line Voltage (Auto Ranging)	380 - 480VAC (3-Phase)
Operating Range	323 - 528VAC
Phase	Three (3) - L1, L2, L3, Ground
Frequency (Auto Ranging)	45-65Hz
Power Factor ¹	0.92

¹Power factor calculated at full load capacity

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Amperage DC	0.1-15
Current Regulation	+/- 150mA
Max Compliance Voltage DC	600
Isolation (input to output) V RMS	3750 VAC
Current and Voltage Retransmit	4-20mA Analog
Power and Status Indicators	3x LED
Current Limiting	Dip Switch 0-2.5 0-4 0-6.6 0-10 0-13.2 0-15

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Weight	8.61 Kg (19 lbs)
Width	22.71 cm (8.94")
Height	34.32 cm (13.51")
Depth	16.51 cm (6.5")
Power Terminal Strip	14 - 10 AWG
I/O Terminal Strip	16 - 26 AWG

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Ambient Operation Temperature	0 - 50 °C (32 - 122 °F)
Storage Temperature	-15 - 70 °C (5 - 158 °F)
Humidity	Relative Humidity up to 5% - 95% non-condensing
Altitude	< 6000 ft
Air Flow / Cooling	Heat-sink / Forced air

Ordering Information

Order Number	Model Number	Description
W2T827150	IP-DC3PH600V-M1-1	DC3 Power Supply, 3-phase 0-600V, 0-15A DC
W2T829935	IP-POWERDSP-TP	4.3" Touch Panel Display

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All information presented herein is believed reliable and in accordance with accepted engineering practices. Xylem makes no warranties as to the dprnqmufoftt!pg!uijt!ogpsnbujpo!Vfst!bsf!sftqpotjcm!gps!fwbmvbujoh!joejwjevbm!qspevdultv!ubojmjuz!gps!tqfdjnd!bqqmjbujpot!Yzmfnt!btvnt!top!mjbcmjuz! whatsoever for any special, indirect or consequential damages arising from the sale, resale or misuse of its products. Subject to change without notice.

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Let's Solve Water



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