



DCPro versus Conventional Rectifier

The Farwest DCPro cathodic protection power supply provides clean, efficient DC power for cathodic protection systems. While designed to look like a conventional rectifier, the DCPro cathodic protection power supply includes many features and advantages over a conventional rectifier.



DCPro Features

Cost Savings

Power cost savings compared to a conventional rectifier of similar size.

Switch-Mode Power Supply

The DCPro is a "switch-mode" power supply that converts AC to DC power electronically and efficiently.

Return on Investment (ROI)

Estimated return on investment (ROI) over a conventional rectifier of similar size.

Exact DC Output Control

Output control of 0.1-amp increments with the turn of a single control knob.

Accurate CP System "Off" Readings

Rejects induced AC.

Pure DC Output Power

Provides pure DC output power.

Surge Protection

AC & DC surge protection is included.

12-Volt Power Supply

A 12-volt power supply is included.

Product Advantages

Model FSMA 30-20 = \$143.00/year

Model FSMA 50-50 = \$560.00/year

*Based on national average power cost of \$0.33/KWH (Kilowatt Hour).

A conventional rectifier uses a transformer and diodes, which are heavy and relatively inefficient.

Model FSMA 30-20 = 3.0 years

Model FSMA 50-50 = 3.1 year

*Comparing the cost differential between a conventional rectifier and a DCPro, less annual power savings.

A conventional, manually controlled rectifier may have between 18 and 50 steps of adjustment. The DCPro has:

Model FSMA 30-20 = 200/each, 0.1 amp "steps"

Model FSMA 50-50 = 500/each, 0.1 amp "steps"

Allows for accurate CP system "Off" reading; a conventional rectifier does not.

AC ripple issues are eliminated with the DCPro; a conventional rectifier must use a choke to reduce AC ripple.

AC & DC surge protection is an option in a conventional rectifier.

Allows for the connection of a RMU or interrupter. A conventional rectifier does not have this feature.



For more information about the Farwest DCPro Cathodic Protection Power Supply, contact a Farwest Corrosion Control team member today!

Farwest Corrosion Control

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DCPro versus Conventional Rectifier

Dead-Front Safety Panel

Important safety feature for worker protection.

This is an option for a conventional rectifier.

Convenience Outlet

Provides power for 115-volt power tools.

This is an option for a conventional rectifier.

Automatic Constant Current Control

DCPro maintains current output level once set.

A manually controlled conventional rectifier must be adjusted to change DC current output. The DCPro always maintains desired DC current levels.

Analog and Digital Output Display

Single display provides all needed data.

The provided display is readable in direct sunlight and presents both analog and digital output voltage and current readings. A conventional rectifier has analog meters as a standard.

Single Control Knob

Adjust current with a single control knob.

A manually controlled conventional rectifier utilizes link bars that are time consuming to adjust, provide large-step voltage adjustments and can become loose causing damage to the rectifier panel and electrical components.

Automatic AC Power Compatibility

Simple installation setup.

The DCPro automatically configures for use on any AC input power up to 277 VAC. A conventional rectifier must be manually configured for AC input power.

RMU & Interrupter Ready

A RMU and interrupter terminal strip is provided.

This is an option for a conventional rectifier.

Lightweight

Includes a lightweight aluminum chassis and cabinet.

The DCPro is MUCH lighter than a conventional rectifier and therefore, easier to install.

Control CP Current to Two Structures

The model FSMA 50-50 is configurable to include dual output circuits.

This feature allows independently controllable protection to two separate structures. A conventional rectifier would require a separate "resistance" circuit, which is a poor way to control current to separate structures.

Certified

ETL certified.

This is an expensive option for a conventional rectifier.

Warranty

3-year warranty.

A conventional rectifier has a 1-year warranty.

About Farwest Corrosion Control

Farwest Corrosion Control is an industry pioneer and leader in comprehensive cathodic protection and corrosion control products, services, and solutions to protect critical infrastructure in the gas, oil, water, wastewater, power, marine and construction industries. Services include product distribution and fabrication, turn-key system installation, engineering design, and technical field services. With the largest inventory nationwide, Farwest can provide same-day shipping and one-to-three-day delivery to most areas in the US.

Founded in 1956, the firm is a Minority Business Enterprise headquartered in Downey, CA. Farwest has seven regional operations, over 170 employees nationwide and is known for its outstanding reputation, quality work, technical expertise and customer trust.

Eliminate issues and frustration with conventional cathodic protection rectifiers.

Order your DCPro Cathodic Protection Power Supply Today!



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