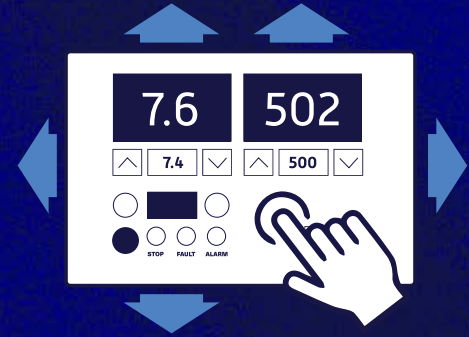**DYNAPOWER**
POWERING A CLEANER PLANET™

Multi-Unit Controller
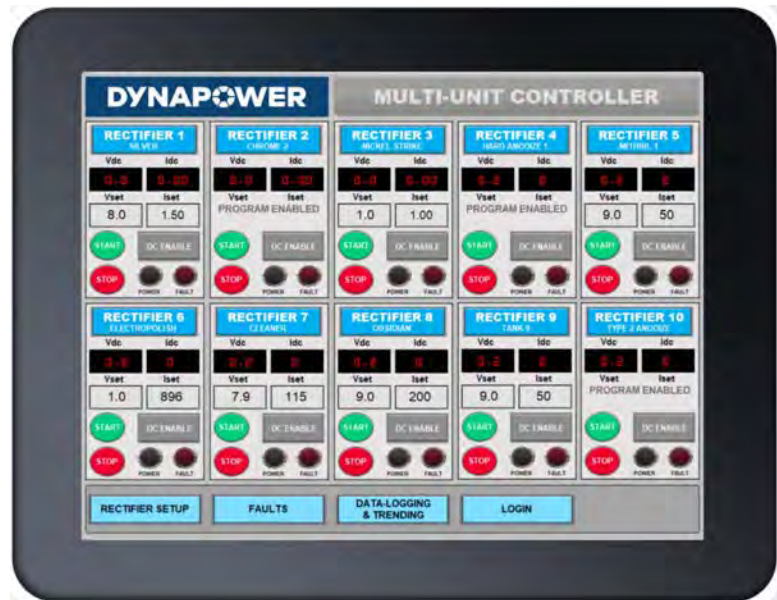
Control up to ten units from one interface

Our Multi-Unit Rectifier Controller offers convenience and efficiency by controlling multiple rectifiers from a single user-friendly touchscreen that can be centrally located in any facility.

Compatible with both SCR and switchmode rectifiers — which may include a combination of up to 10 power supplies of varying sizes — this controller saves valuable time with the automation of recipes, fault diagnostics, and data logging of all connected rectifiers from a central control interface.

With the Multi-Unit Controller, you can create and store up to 12 custom recipes to suit any process, ensuring your process is completed the same way every time. Recipe steps include ramp, dwell, pulse, amp-hour, and cycle functions.

To ensure all audit requirements are satisfied, the Multi-Unit Rectifier Controller features data logging for objective evidence. The data logging feature saves detailed DC voltage and current feedback & setpoint data and reports upon the completion of every successful finishing cycle. All history is easily accessible for download and review for record keeping.

The Multi-unit controller comes built into a standard remote console, allowing for flexible controller placement. Custom control placement options are also available on request. This controller can also be retrofitted to existing Dynapower rectifiers to modernize the control of your power supplies.

Features

12.1" Touchscreen interface (1024 x 768) for easy control

Graphic display for viewing unit output, set-point reference levels, status indication, setup, and special operating modes

Voltage and Current set-point adjust

Amp-hour totalizer with 9-digit resolution

Amp-hour count dousing cycle. Can program digital output to change state after 'X' Amp hours is reached and program output to stay energized for 't' seconds.

Status screen showing all input and fault states

In depth active fault and history reports to quickly identify and diagnose faults

DC **voltage and current feedback and setpoint trend display** with cycle-based **data logging**

Polarity reversal function (when applicable rectifier hardware present)

Selection fo**r customer remote interface** (AUTO MODE) via Ethernet TCP/IP, Modbus TCP or Remote Analog (4-20mA/0-10VDC)

Temperature monitoring readback/fault capability (Contact Dynapower for more information on hardware requirements)

Basic Functions

Ramp rate set-point adjust for both voltage and current modes

Amp-hour cycle-limit adjust

Pulse set-point adjust for both voltage and current modes

End of cycle indication

Cycle timer/voltage cycle limit adjust

Program Functions

Store up to **12 multi-step programs** per rectifier

Each program contains up to **8 steps that include ramp, dwell, pulse, amp-hour, and cycle functions, step repeat/jump functions**

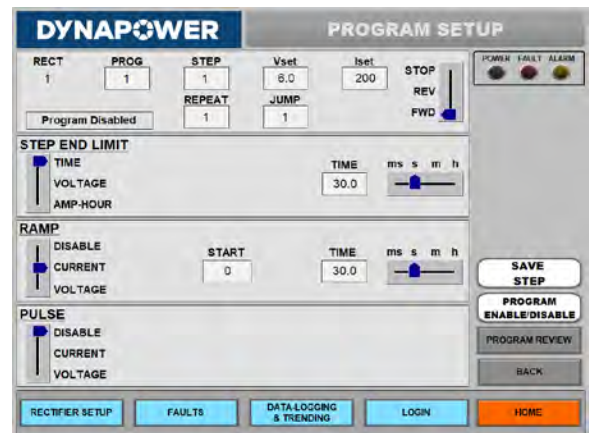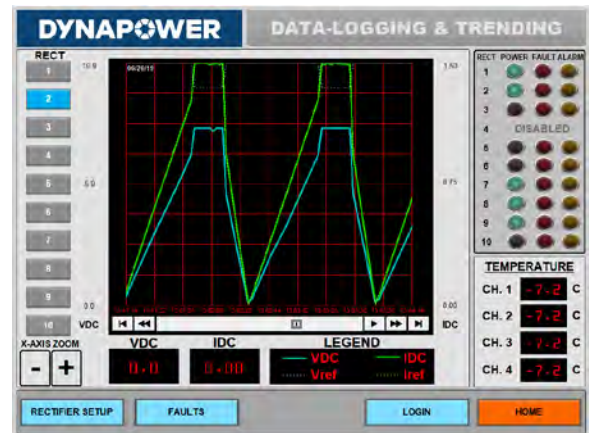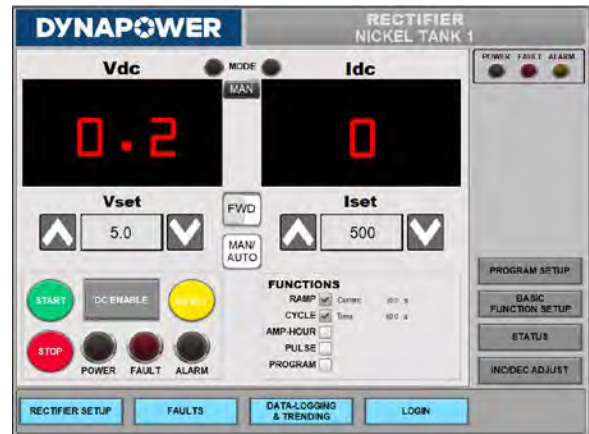**Selectable time-base** of milliseconds, seconds, minutes, or hours for all timers

Intuitive and **visual interface to set up and review programs**

Step repeat/jump parameters to allow for complex waveforms

Ability to **copy and delete full programs**

Programs and set-points **automatically restored** upon power-up

End of program indication