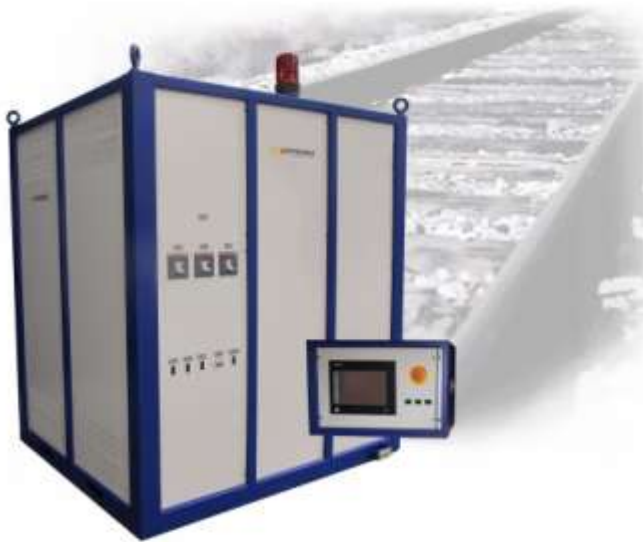


801 Series

High Current DC Power Supply

■ The **801 series** high current DC power supplies ensure that your locomotives, trains, and rail cars run safely and efficiently under all load conditions. All models can be controlled with a remote user interface or with an integrated touch screen. The all in one light weight design allows for easy portability and integration into multiple applications.

The design of the 801 series allows for accurate and easy voltage regulation by reducing the ripple voltage to less than five percent. The integrated safety light and cabinet ensures operator safety. While the electrical design reduces the footprint and weight of the unit compared to similar SCR technologies. By using the 801 series ensures that your customers are riding on the most reliable and safe transit systems.



FEATURES

- ☑ **Touch screen** HMI interface
- ☑ **Custom** cycle Programs
- ☑ **Remote** operation
- ☑ **Less than 5%** Ripple Voltage
- ☑ **Automatic** voltage regulation
- ☑ **Reduced Weight / Size**
- ☑ **No EMI Mains Noise / Interference**

BENEFITS

Low life-cycle cost – rugged design minimizes system down time

Operator Safety of train during different voltage conditions

Accurate measurements – electrical design allows for minimal ripple voltage

Ensures safe design - of transit cars during different voltage conditions

Easily integrated into new or existing systems

INDUSTRY APPLICATIONS

Ideal for use for:

- Integrators of transit lines
- Transit Authority
- Transit Manufacturer
- Transit Service Companies
- Testing of third rail over/under voltage
- Railcar chassis Testing

TECHNICAL SPECIFICATIONS

1000V DC Systems

General	801-50A	801-100A	801-150A	801-200
Input Voltage	480V, 60Hz, 3Ø / 380V, 50Hz, 3Ø +/-5%			
Output Voltage	100V-1000V DC			
Output Current	50A	100A	150A	200A
Voltmeter	0-1000V DC			
Current Meter	0-50A	0-100A	0-150A	0-200A
Meter Accuracy	Digital, 1% of FS, range 10-100% of system output			
Ripple	5 % rms with balanced mains, 6 pulse rectification			
Regulation	less than 15% No Load – Full Load			
Humidity Range	< 95% Non Condensing			
Operating Temperature Range	10 to 40 Degrees Celsius			
Storage Temperature Range	-20 to 50 Degrees Celsius			
Voltage Control Rate of Rise (to-100% Output)	10% - 100% of 15, 30 or 60 Seconds			
Control Type	PLC with HMI in Main Cabinet			
Regulator Type	PVT Variable Transformer			
Regulator Insulation / Cooling	Class H / AN / Convection Cooling			
High Voltage Supply Insulation / Cooling	Class H / AN / Convection Cooling			
Dimensions	30"W x 42"D x 73"H	48"W x 36"D x 76"H	48"W x 48"D x 76"H	72"W x 48"D x 80"H
Weight	1000lbs	2400lbs	3000lbs	4400lbs

Notes:

- Dimensions & Weights are approximate
- Consult factory for remote PLC option is available
- For other input voltages please consult factory

Customer Supplied Cables per Local Electrical Codes

- Mains Input, System and Device Under Power, and Grounding Cables



TECHNICAL SPECIFICATIONS

1500V DC Systems

General	801.5-50A	801.5-100A	801.5-150A	801.5-200A
Input Voltage	480V, 60Hz, 3Ø / 380V, 50Hz, 3Ø +/-5%			
Output Voltage	150V-1500V DC			
Output Current	50A	100A	150A	200A
Voltmeter	0-1500V DC			
Current Meter	0-50A	0-100A	0-150A	0-200A
Meter Accuracy	Digital, 1% of FS, range 10-100% of system output			
Ripple	5 % rms with balanced mains, 6 pulse rectification			
Regulation	less than 15% No Load – Full Load			
Humidity Range	< 95% Non Condensing			
Operating Temperature Range	10 to 40 Degrees Celsius			
Storage Temperature Range	-20 to 50 Degrees Celsius			
Voltage Control Rate of Rise (to-100% Output)	10% - 100% of 15, 30 or 60 Seconds			
Control Type	PLC with HMI in Main Cabinet			
Regulator Type	PVT Variable Transformer			
Regulator Insulation / Cooling	Class H / AN / Convection Cooling			
High Voltage Supply Insulation / Cooling	Class H / AN / Convection Cooling			
Dimensions	30"W x 42"D x 73"H	48"W x 36"D x 76"H	48"W x 48"D x 76"H	72"W x 48"D x 80"H
Weight	1200lbs	3000lbs	3500lbs	4800lbs

SCOPE OF SUPPLY

Qty. 1	HV Power Supply
Qty. 1	PLC Controller
Qty. 1	System Enclosure
Qty. 1	Calibration Certificate
Qty. 1	User's Manual

ORDERING INFORMATION

System		
801-XA-X	480V, 60Hz	for -F version
801.5-XA-X	380V, 50Hz	for -D Version

OPTIONS

Megohmmeter - 5478
Microhmeter - 2293
AC Hipot - 700 Series
DC Power Supplies
Spare Parts Kits

Notes:

- Dimensions & Weights are approximate
- Consult factory for remote PLC option is available
- For other input voltages please consult factory
- Mains Input, System and Device Under Power, and Grounding Cables are to be Supplied by Customer

High Current DC Supply Catalog Number Logic

801-100A-F

System
Voltage Rating:
-01 = 1000V
-01.5 = 1500V

System Current
Rating:
-50 = 50 amps
-100 = 100 amps
-150 = 150 amps
-200 = 200 amps

Input Voltage:
-F = 480V
-D = 380V

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