

5P SERIES DC LOAD CABINETS

Operating Area Charts:

- 2400W to 14400W per Chassis
See 5L Series for Lower Power
See 5VP Series for Higher Power
- Low Voltage Range, 0 - 60 Vdc
See 5V Series for 0 - 500Vdc
See 5VP Series for 0 - 600Vdc
or 0 - 1000Vdc
- Current Ranges up to 1000 Adc
See 5VP Series for Higher Current

MODELS:

- 5P024-24: 2400W, 60V, 240A
- 5P024-48: 2400W, 60V, 480A
- 5P036-24: 3600W, 60V, 240A
- 5P036-48: 3600W, 60V, 480A
- 5P036-72: 3600W, 60V, 720A
- 5P054-36: 5400W, 60V, 360A
- 5P054-72: 5400W, 60V, 720A
- 5P054-99: 5400W, 60V, 1000A
- 5P072-48: 7200W, 60V, 480A
- 5P072-96: 7200W, 60V, 720A
- 5P090-60: 9000W, 60V, 600A
- 5P108-72: 10800W, 60V, 720A
- 5P126-84: 12600W, 60V, 840A
- 5P144-96: 14400W, 60V, 960A



OVERVIEW

This technical specification sheets contains voltage, current and power operating curves for all 5P Series models electronic DC load cabinets. Use these charts in combination with the 5P Series data sheet to determine the optimal model that meets your specific application needs.

DC electronic loads typically operate within a maximum constant power curve.

HOW TO READ THESE CHARTS

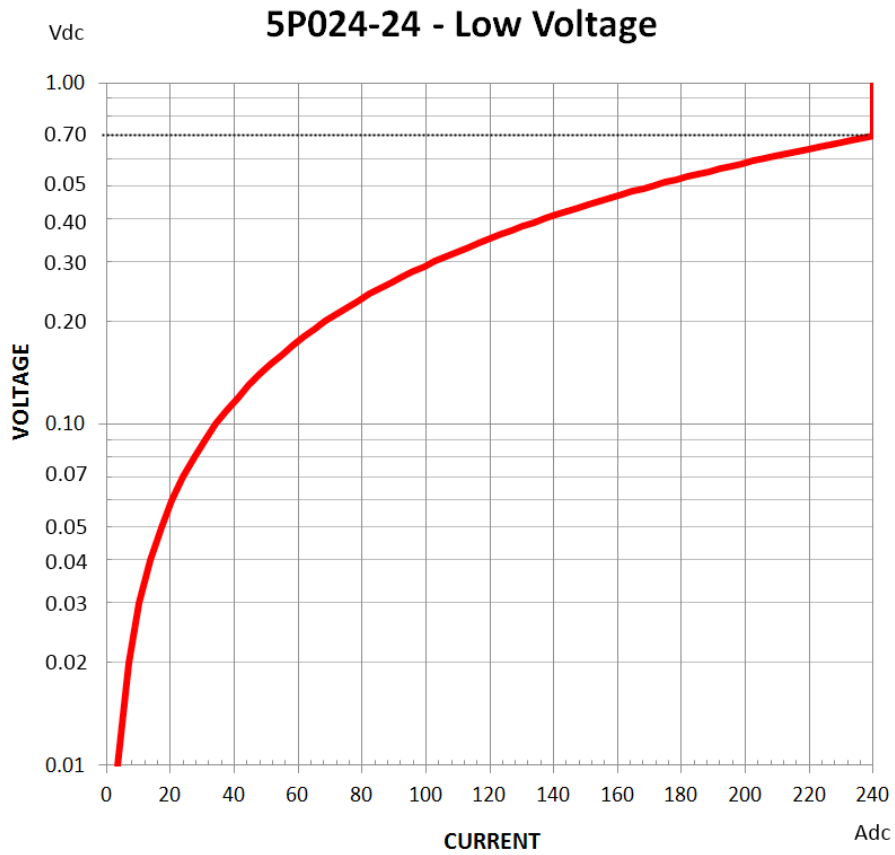
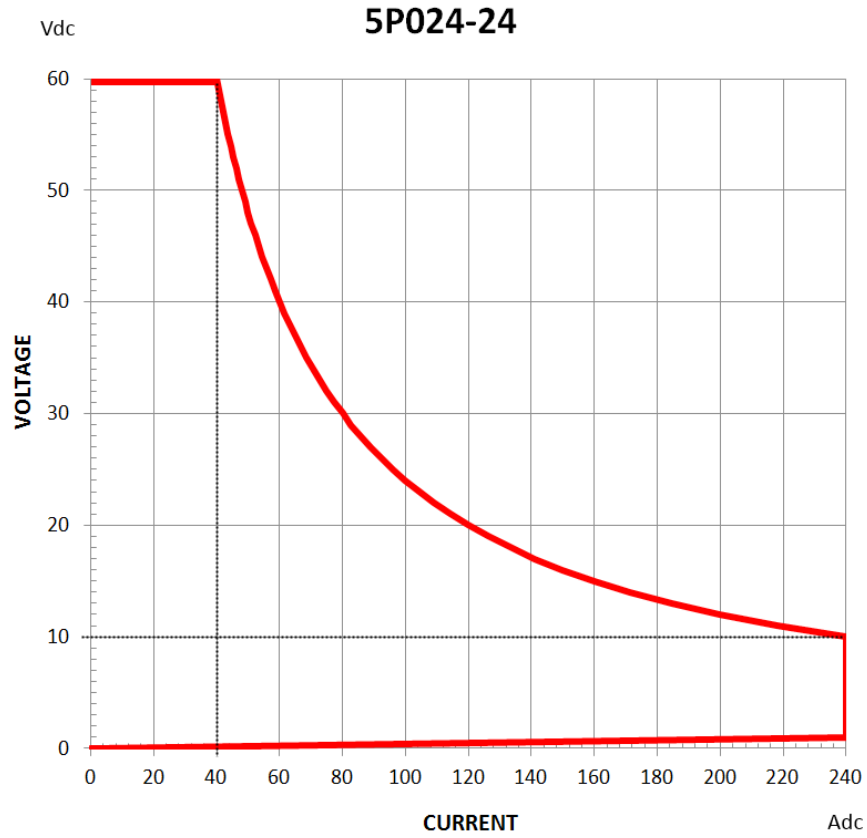
For each APS load model, two charts are provided. The first chart shows the maximum operating limits of input voltage, current and power dissipation. The load can be used anywhere below this (red) line. Input voltage to the load is always shown on the vertical axis in Vdc and Current along the horizontal axis in Adc. The red curve shows the maximum power dissipation point for any voltage or current. The usable load area is anywhere below the red line. Any attempt to operate above the red line will result in either a over-voltage (OVP), over-current (OCP) or over-power (OPP) protection fault . If this happens, the load turns off to protect itself from damage.

In addition to the operating curve, a second chart shows the low-voltage operating range in greater detail. To better show the small voltage differences on the vertical scale, these charts use a logarithmic scale instead of a linear scale. Low voltage operation is possible but at decreasing current (and this power) levels only. The minimum voltage at which full current can



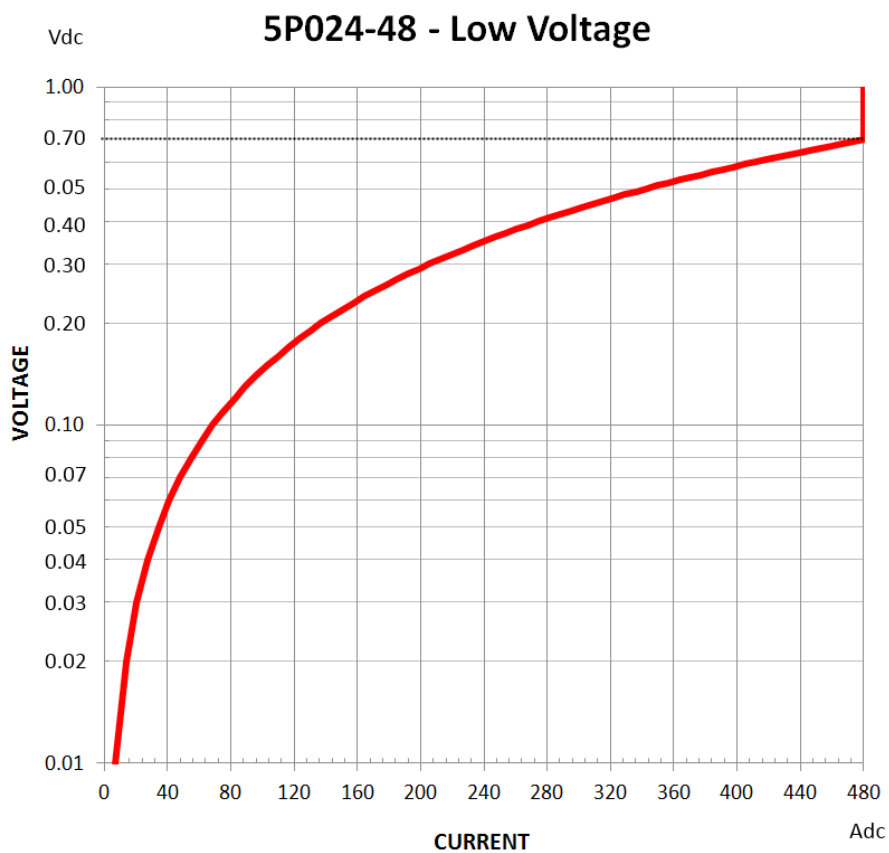
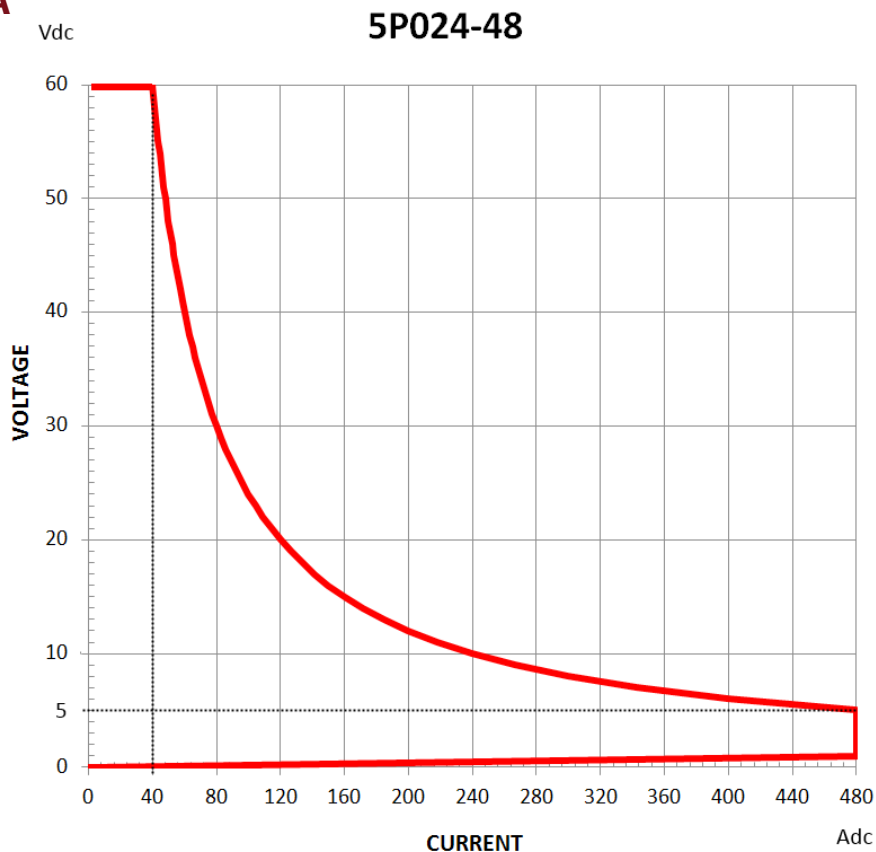
MODEL 5P024-24 RATING CHARTS

2400W, 60V, 240A



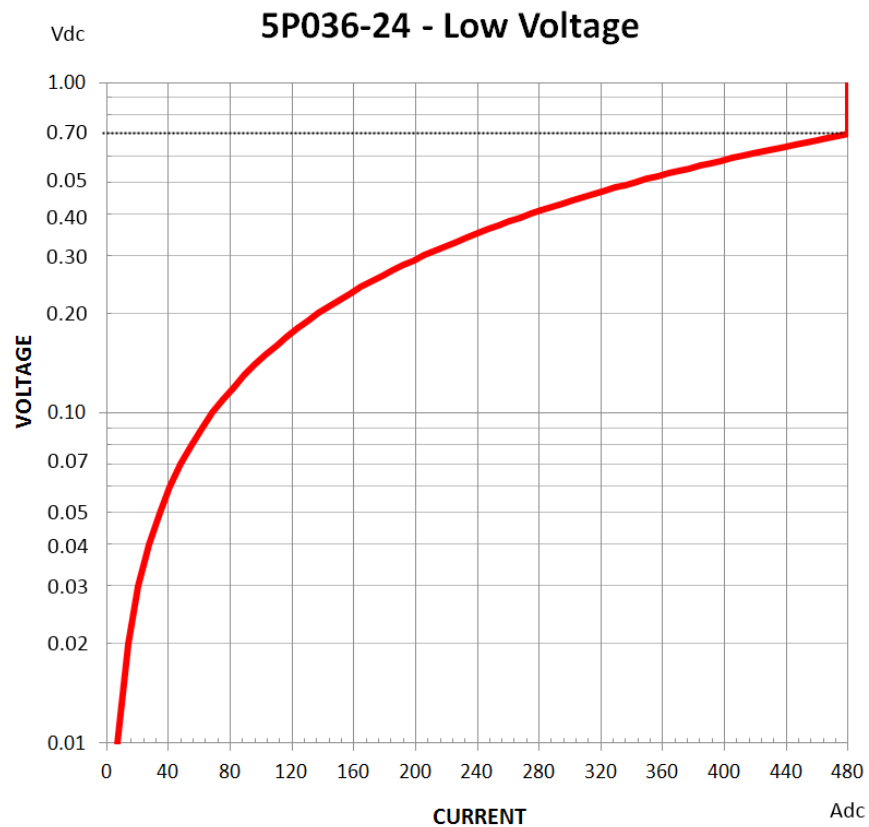
MODEL 5P024-48 RATING CHARTS

2400W, 60V, 480A



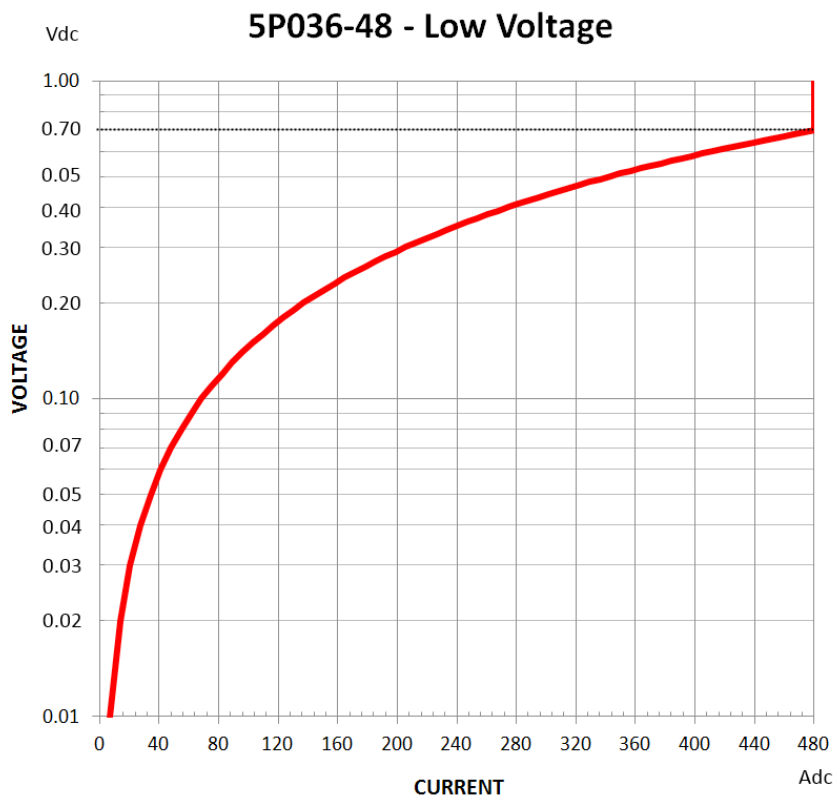
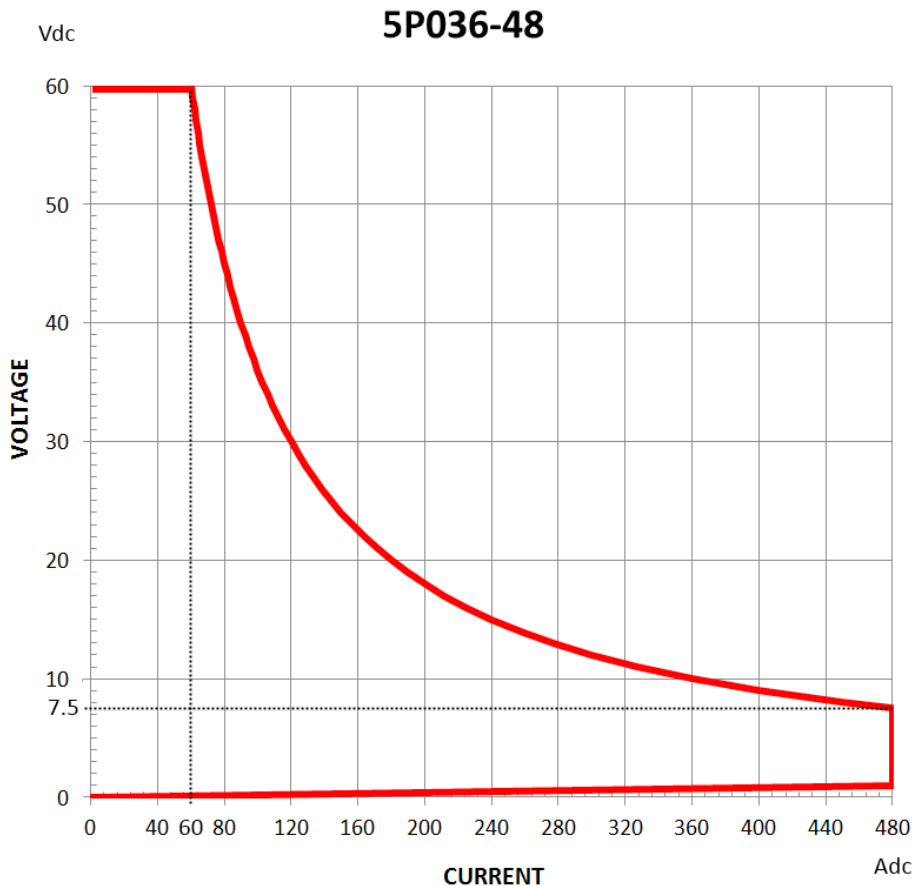
MODEL 5P036-24 RATING CHARTS

3600W, 60V, 240A



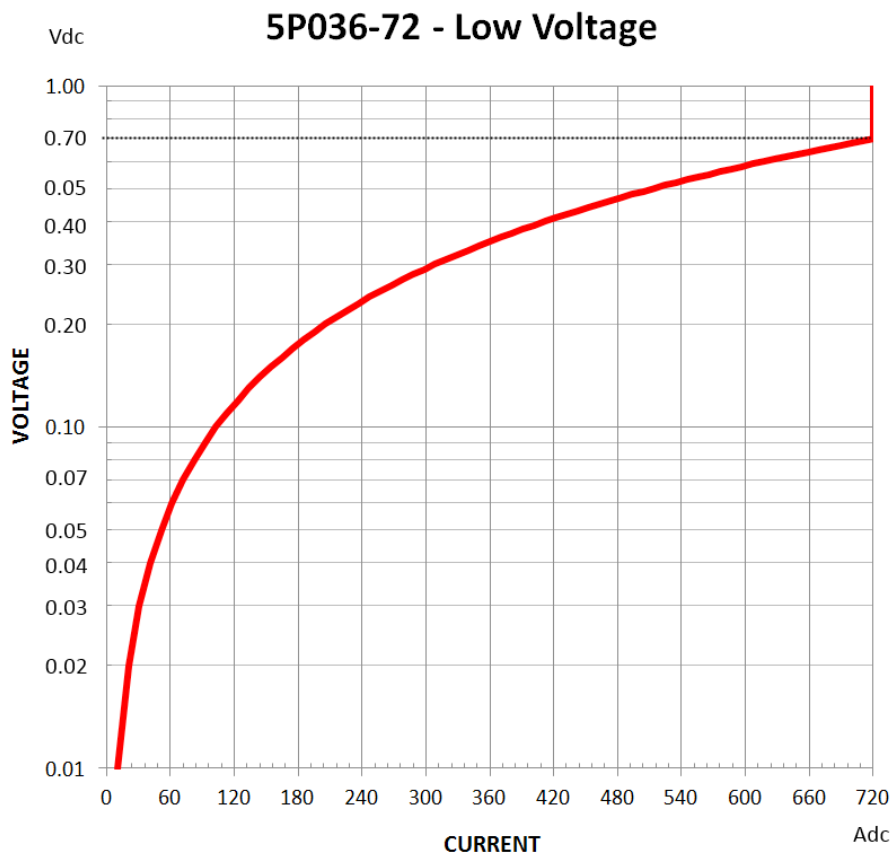
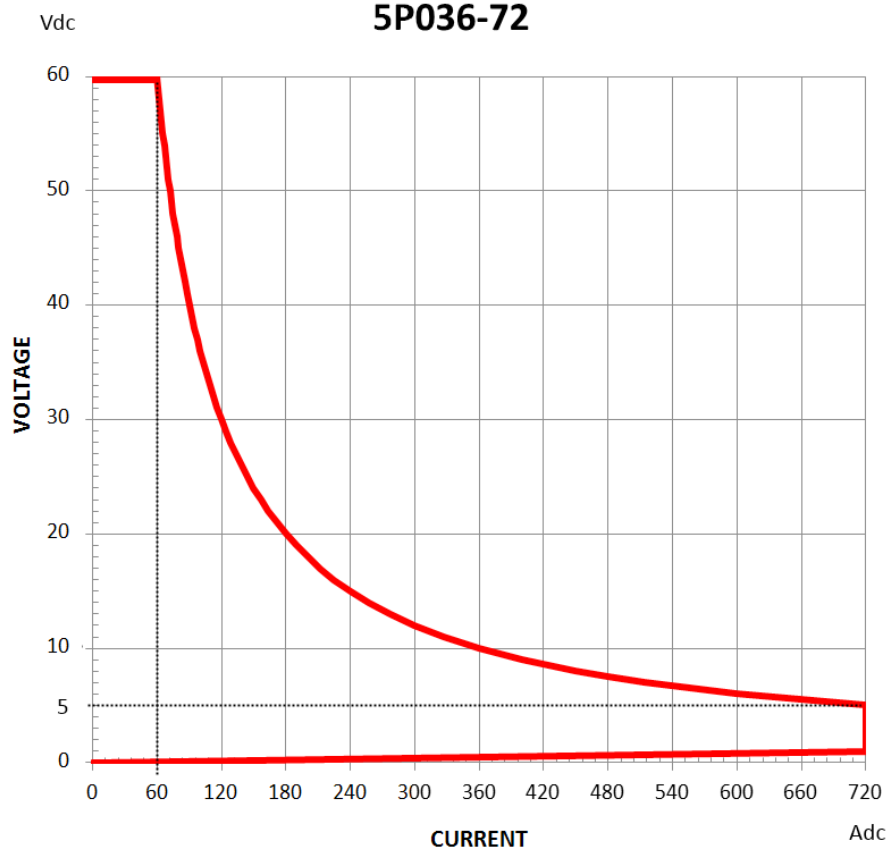
MODEL 5P036-48 RATING CHARTS

3600W, 60V, 480A



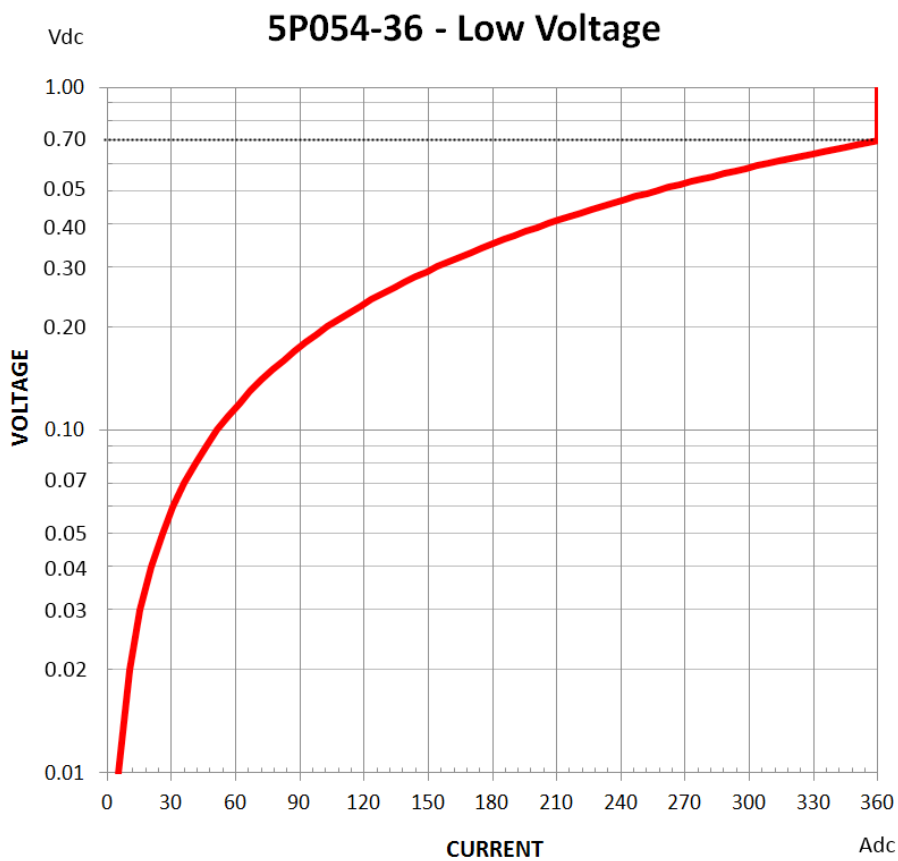
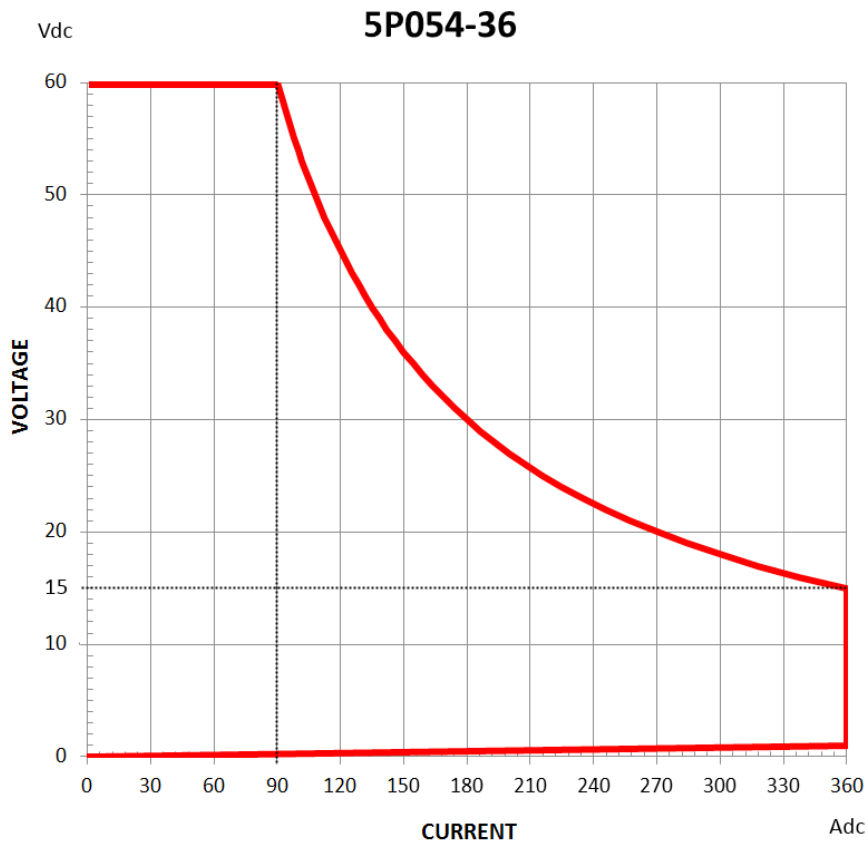
MODEL 5P036-72 RATING CHARTS

3600W, 60V, 720A



MODEL 5P054-36 RATING CHARTS

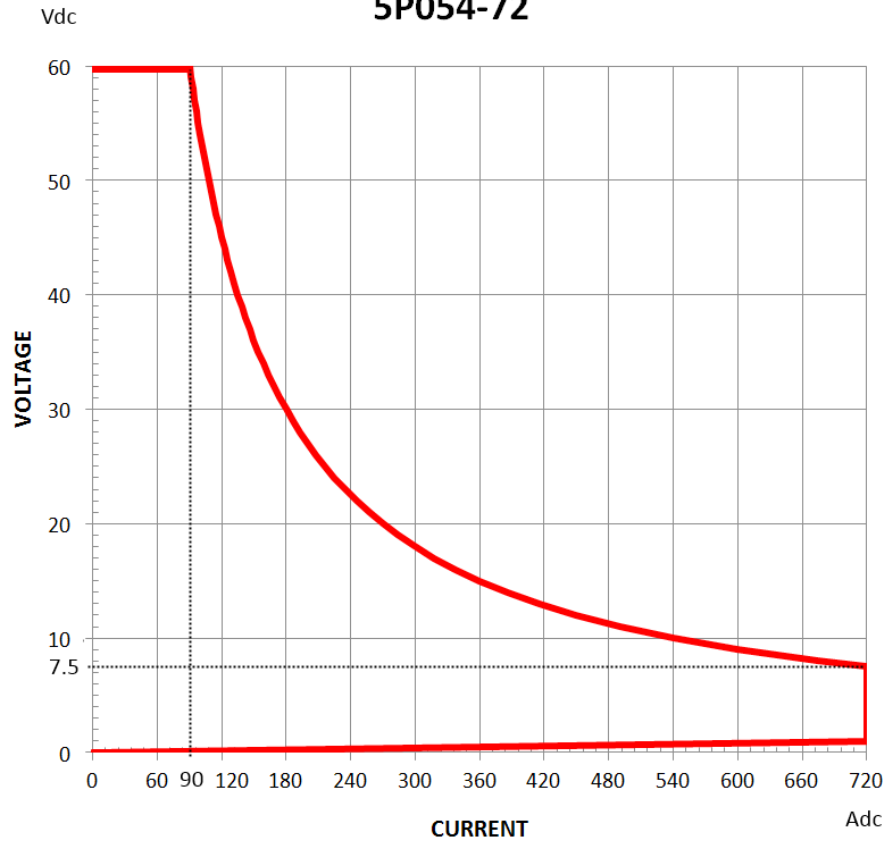
5400W, 60V, 360A



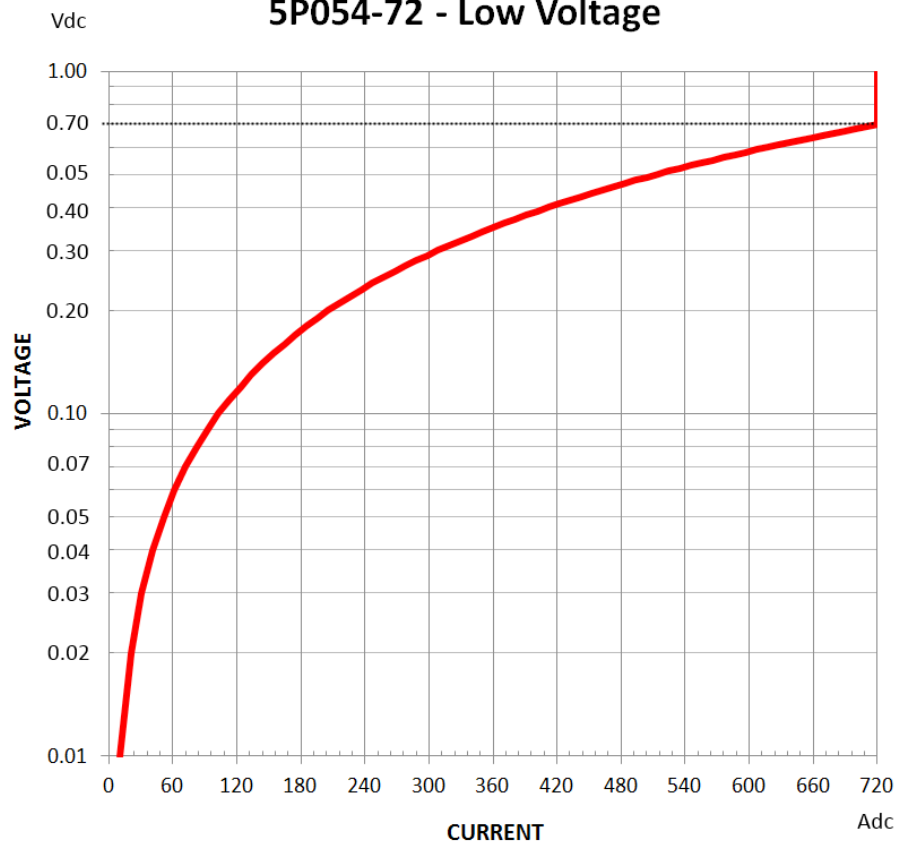
MODEL 5P054-72 RATING CHARTS

5400W, 60V, 720A

5P054-72

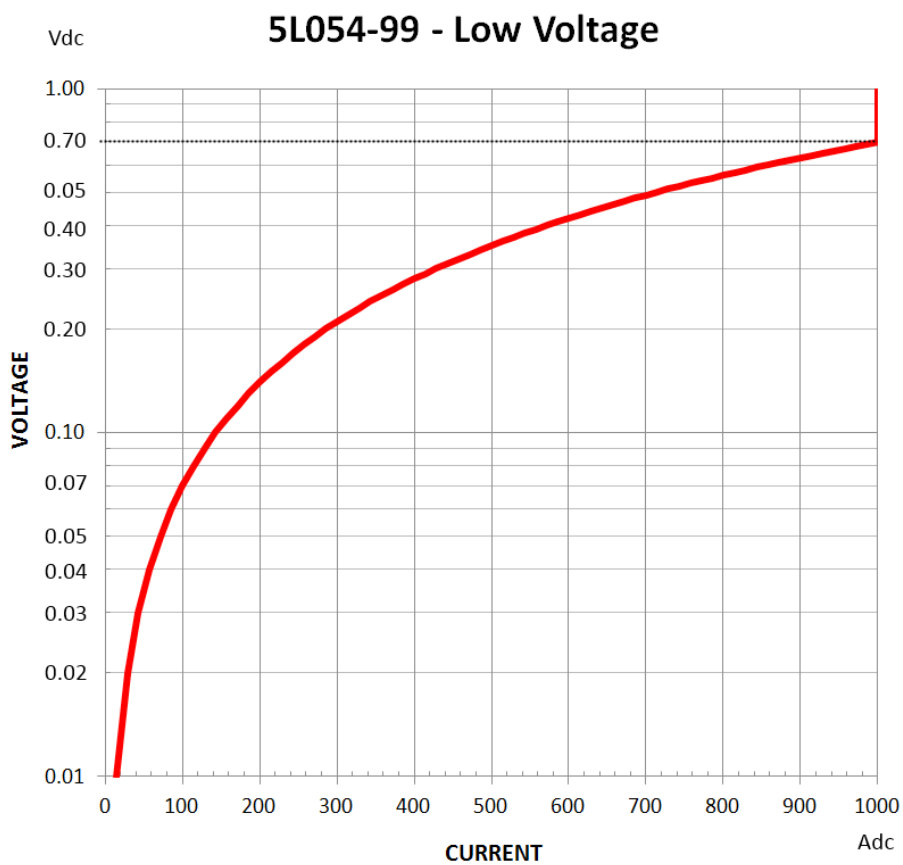
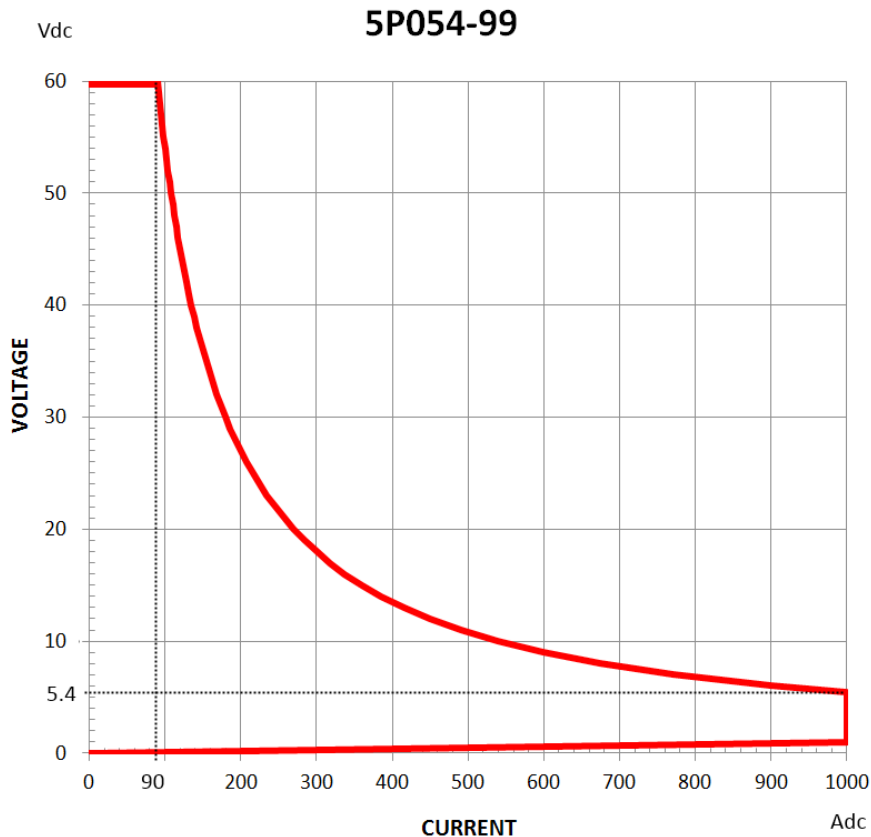


5P054-72 - Low Voltage



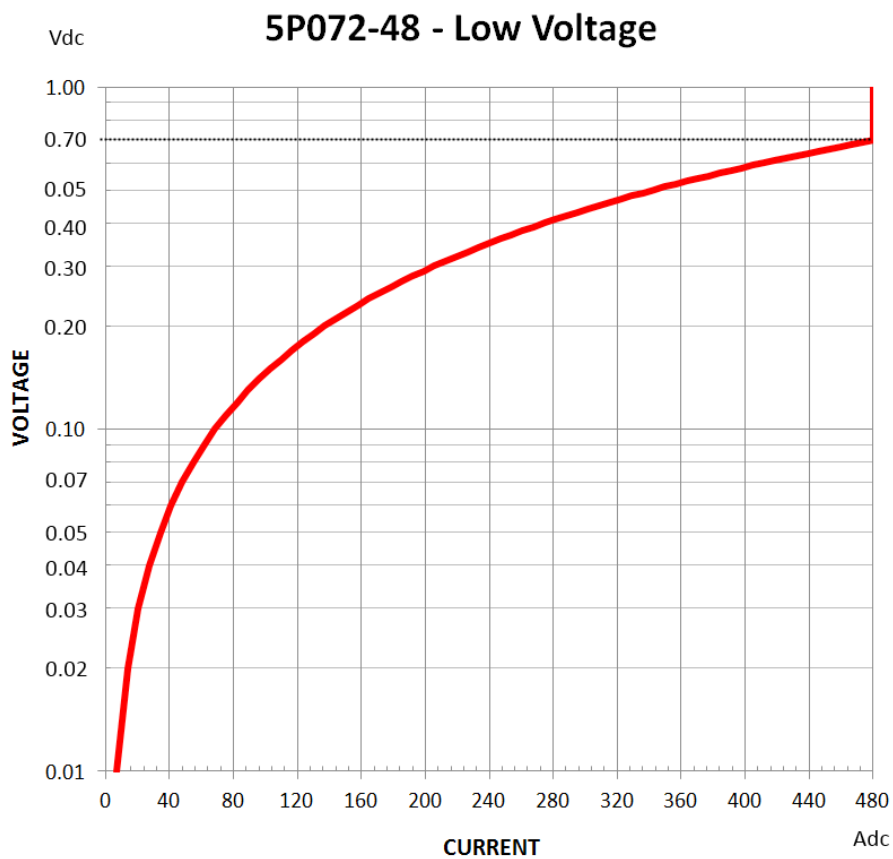
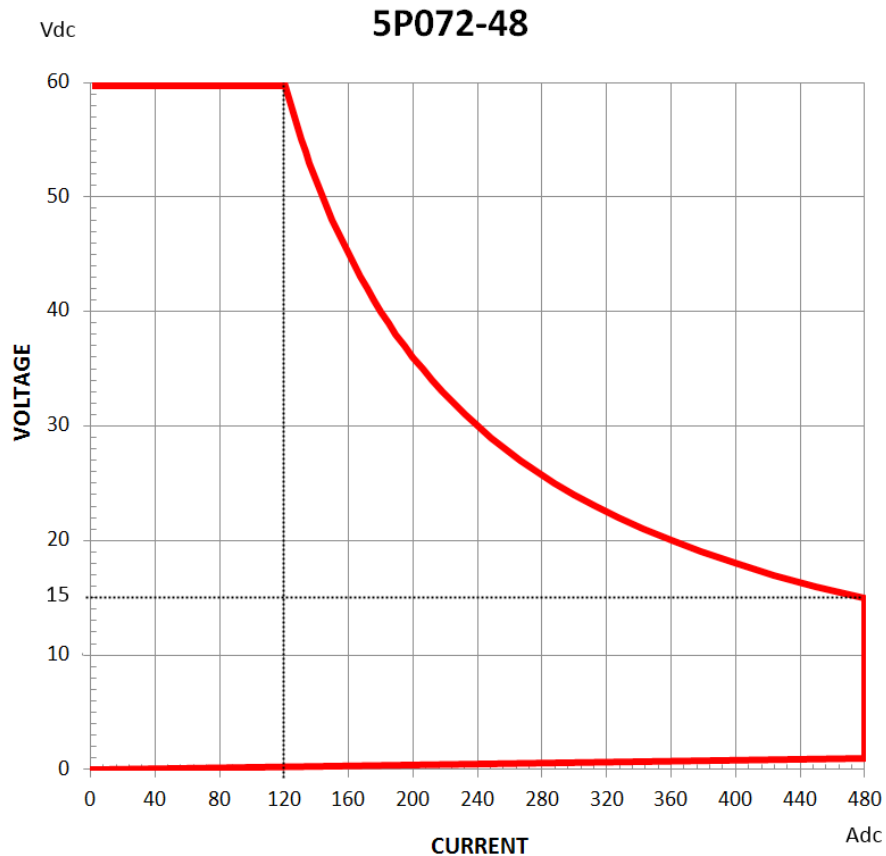
MODEL 5P054-99 RATING CHARTS

5400W, 60V, 1000A



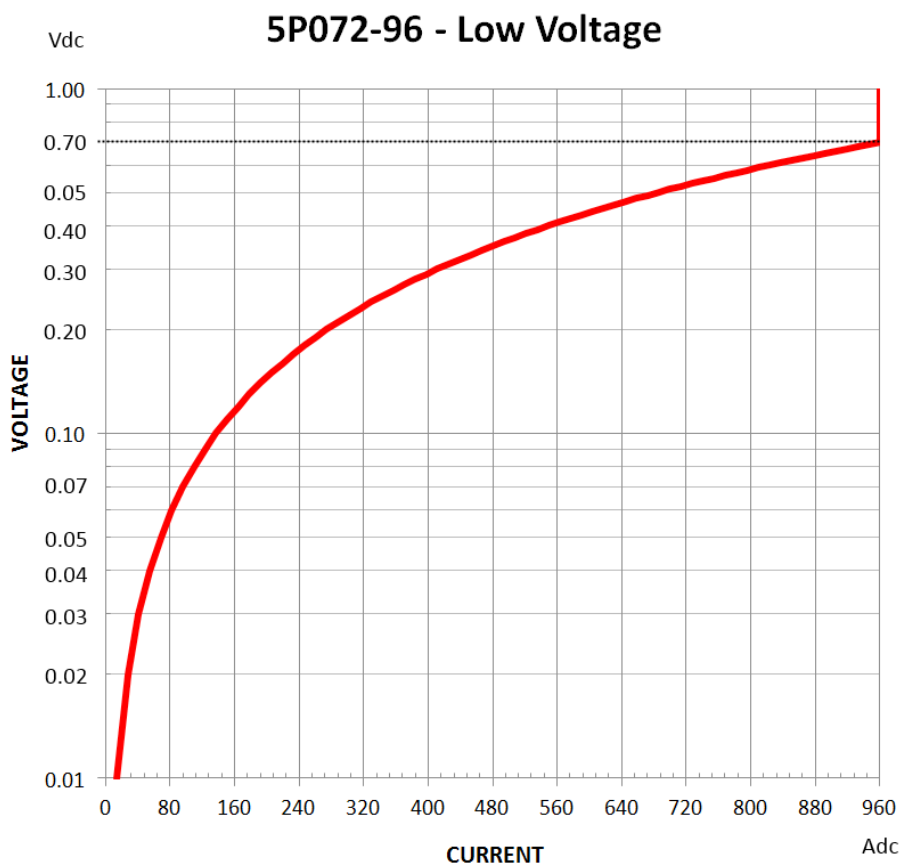
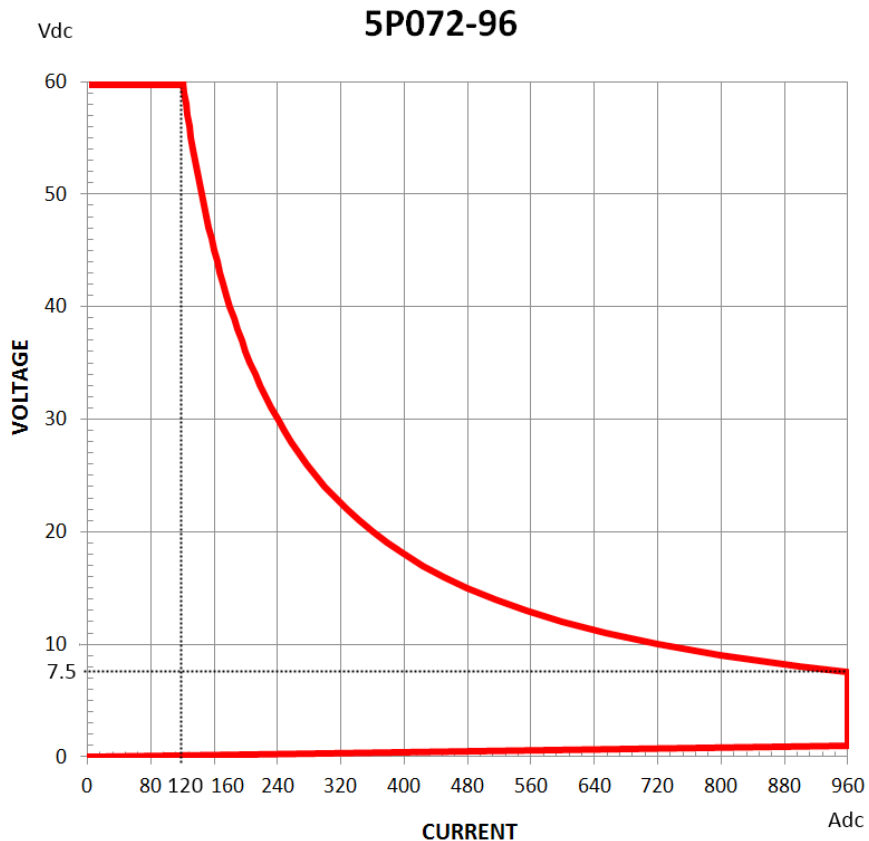
MODEL 5P072-48 RATING CHARTS

7200W, 60V, 480A



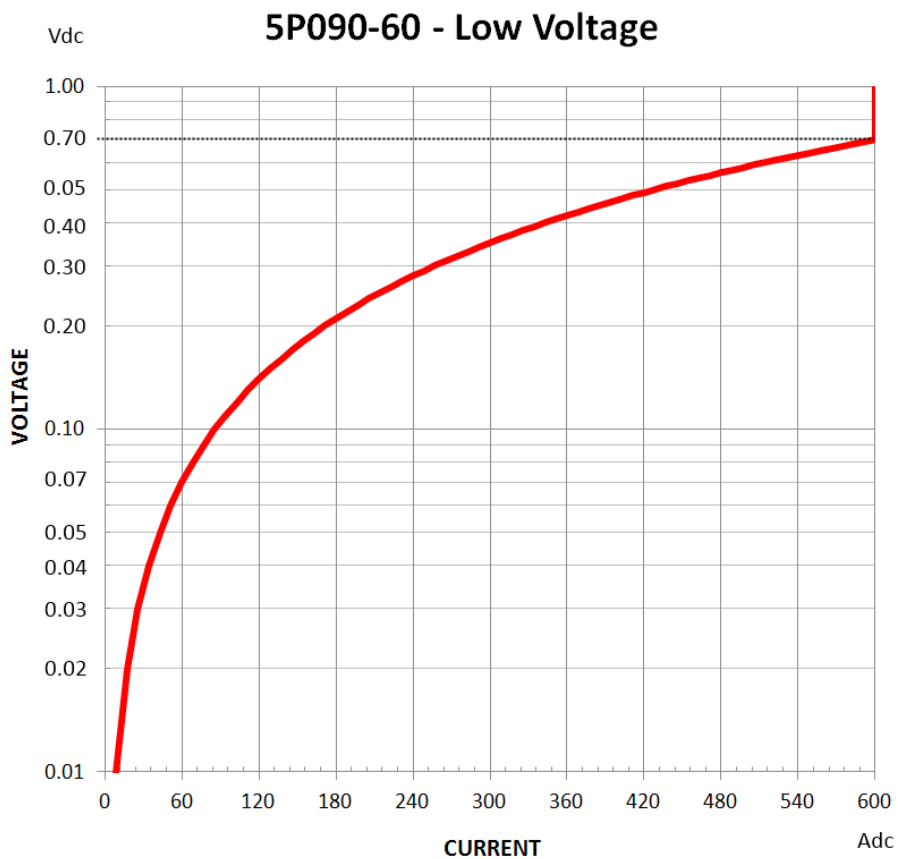
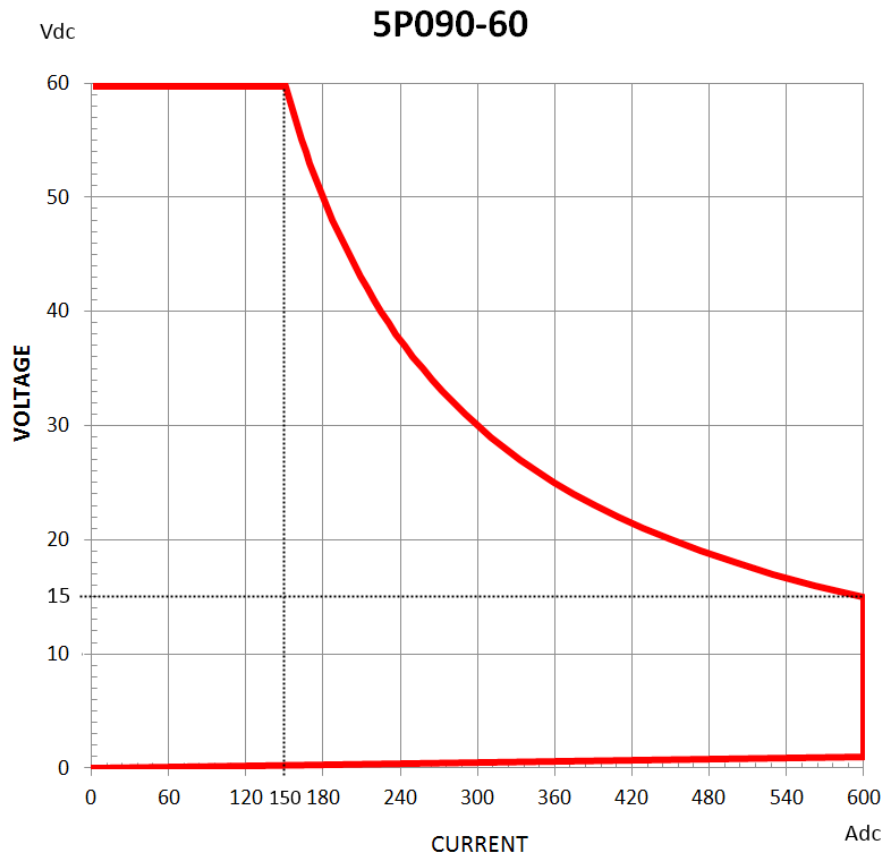
MODEL 5P072-96 RATING CHARTS

7200W, 60V, 960A



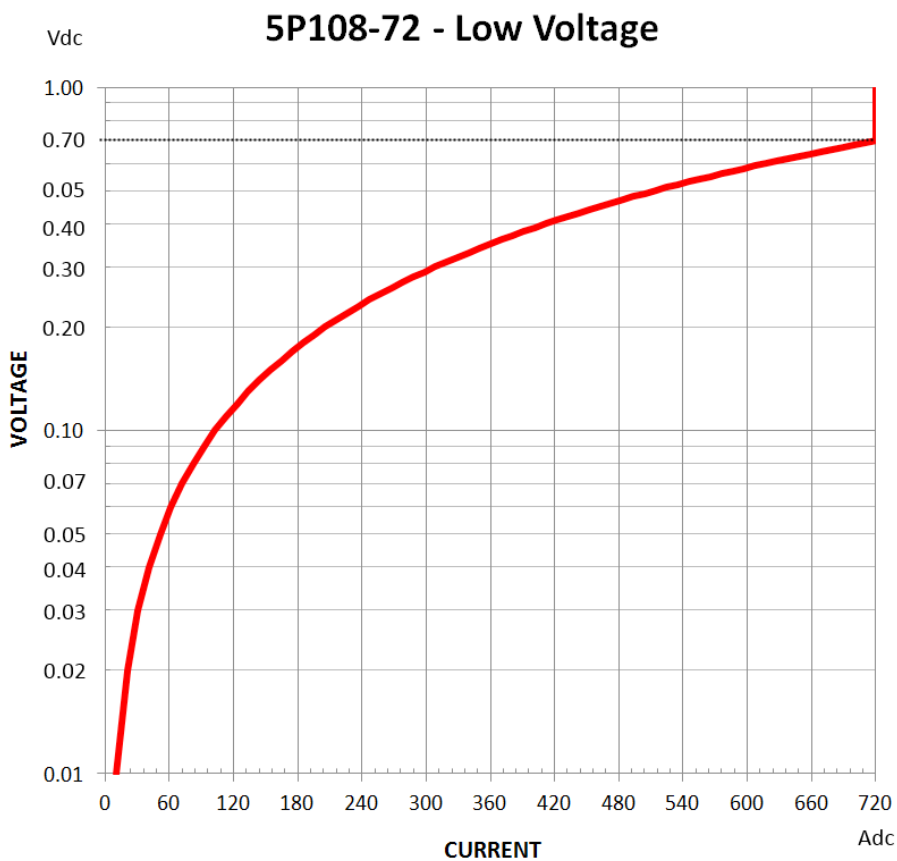
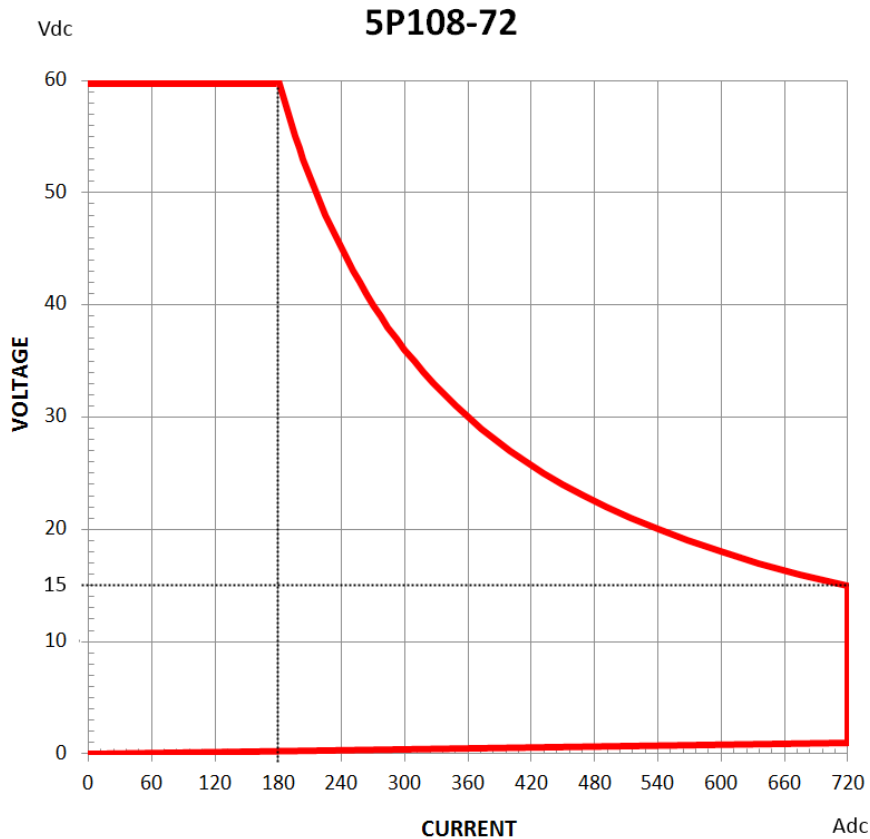
MODEL 5P090-60 RATING CHARTS

9000W, 60V, 600A



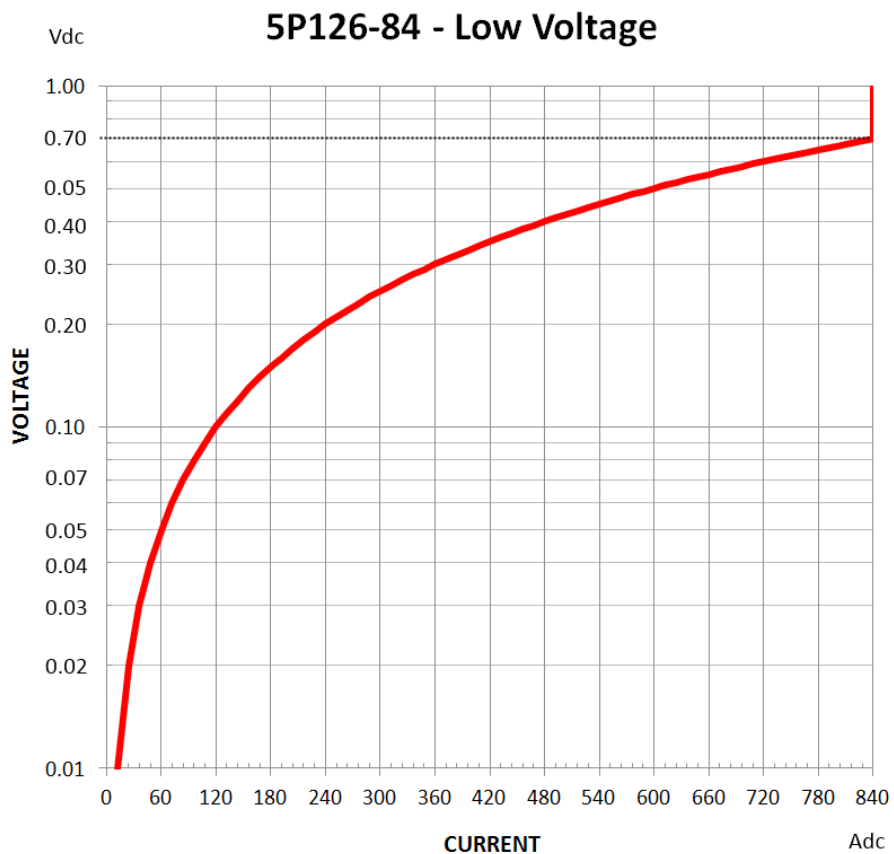
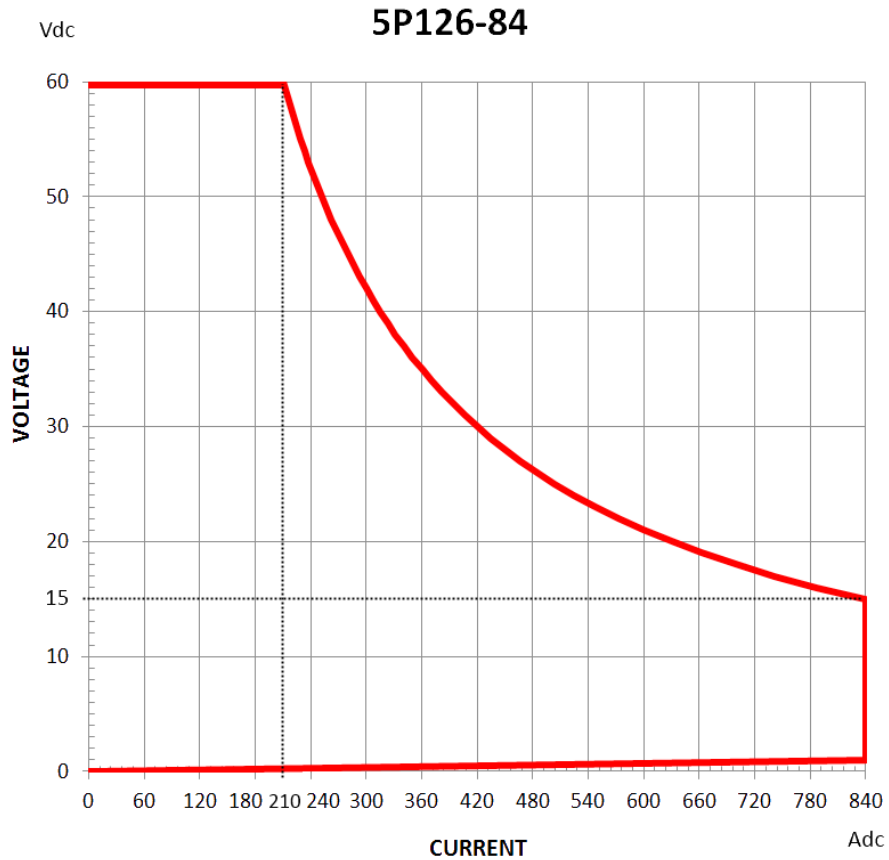
MODEL 5P108-72 RATING CHARTS

10800W, 60V, 720A



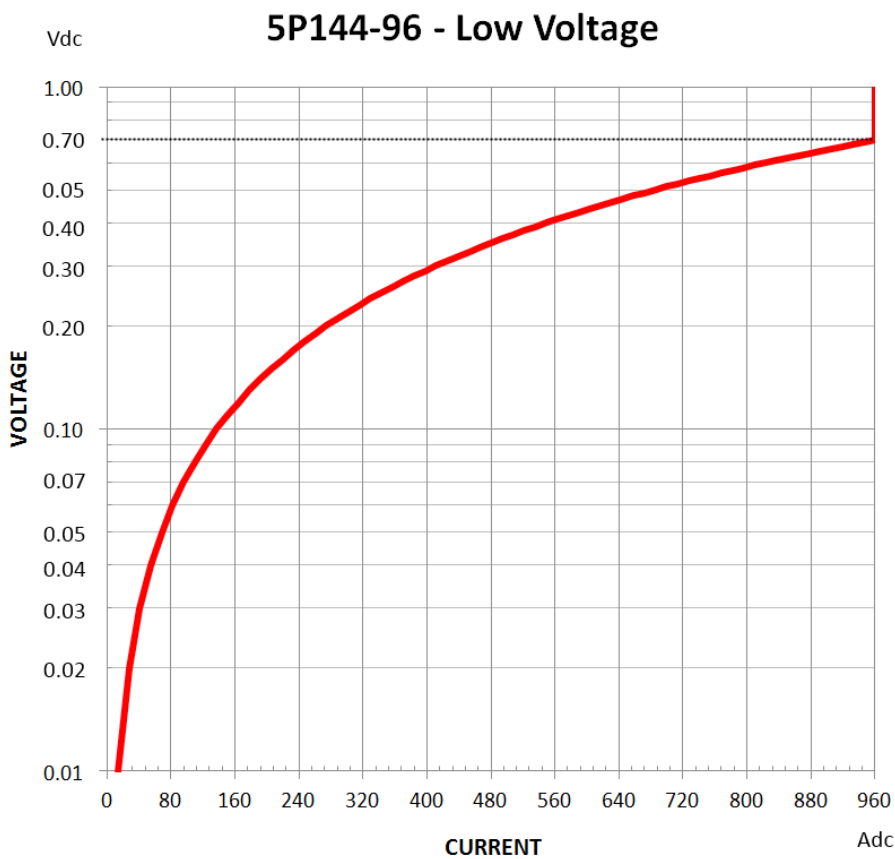
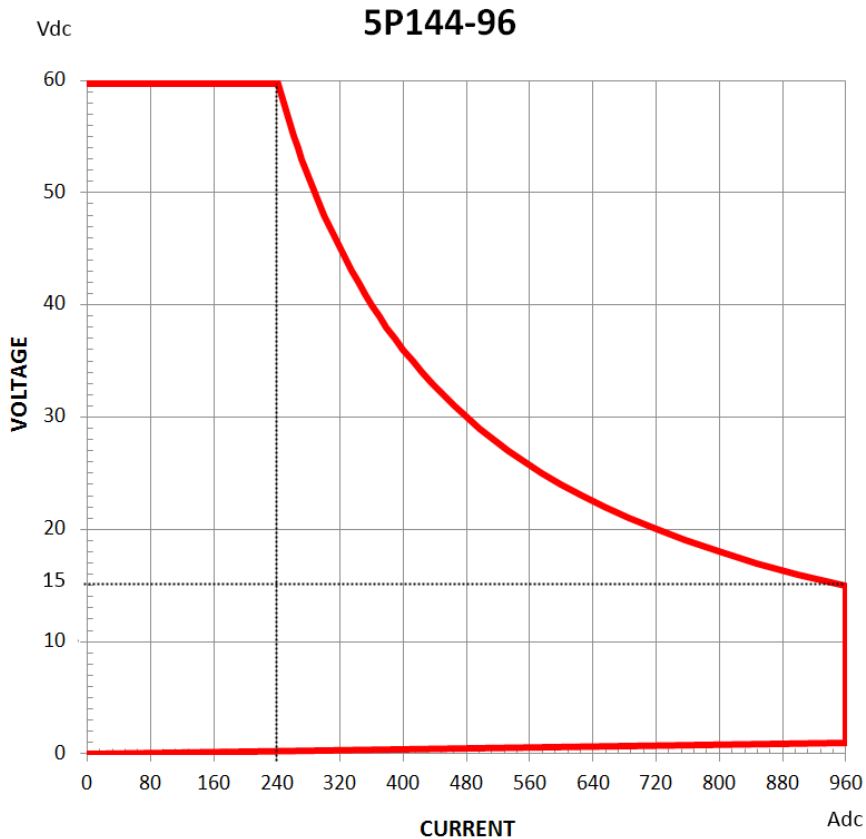
MODEL 5P126-84 RATING CHARTS

12600W, 60V, 840A



MODEL 5P144-96 RATING CHARTS

14400W, 60V, 960A



5P SERIES DC LOADS



Service and Support

Adaptive Power Systems' customer support is second to none. Our Customer Support Program provides the training, repair, calibration, and technical support services that our customers value. So, in addition to receiving the right test equipment, our customers can also count on excellent support before, during and after the sale. With company owned support and service centers around the world, support is never far away.

Complete calibration and repair services are offered at our US, European and Chinese manufacturing facilities (see contact info below). Calibrations are to original factory specifications and are traceable to NIST (National Institute of Standards and Technology).

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