

5L SERIES DC LOADS

Operating Area Charts:

- 5KW to 60KW Power
See 5L, 5P & 5V Series for Lower Power Requirements
- High Voltage Range, 0 - 1000 Vdc
See other 5VP Series Rating charts for 0 - 60Vdc or 0 - 600Vdc
- Current Ranges up to 960 Adc

MODELS:

- 5VP05-05: 5KW, 1000V, 50A
- 5VP10-10: 10KW, 1000V, 100A
- 5VP15-15: 15KW, 1000V, 150A
- 5VP20-20: 20KW, 1000V, 200A
- 5VP25-25: 25KW, 1000V, 250A
- 5VP30-30: 30KW, 1000V, 300A
- 5VP35-35: 35KW, 1000V, 350A
- 5VP40-40: 40KW, 1000V, 400A
- 5VP50-50: 50KW, 1000V, 500A
- 5VP60-60: 60KW, 1000V, 600A



OVERVIEW

This technical specification sheet contains voltage, current and power operating curves for the 1000Vdc input range 5VP Series models electronic DC loads. Use these charts to determine the optimal model that meets your specific application needs. For 60Vdc or 600Vdc input voltage range 5VP models, refer to their respective rating chart data sheets.

DC electronic loads typically operate within a maximum constant power limit

HOW TO READ THESE CHARTS

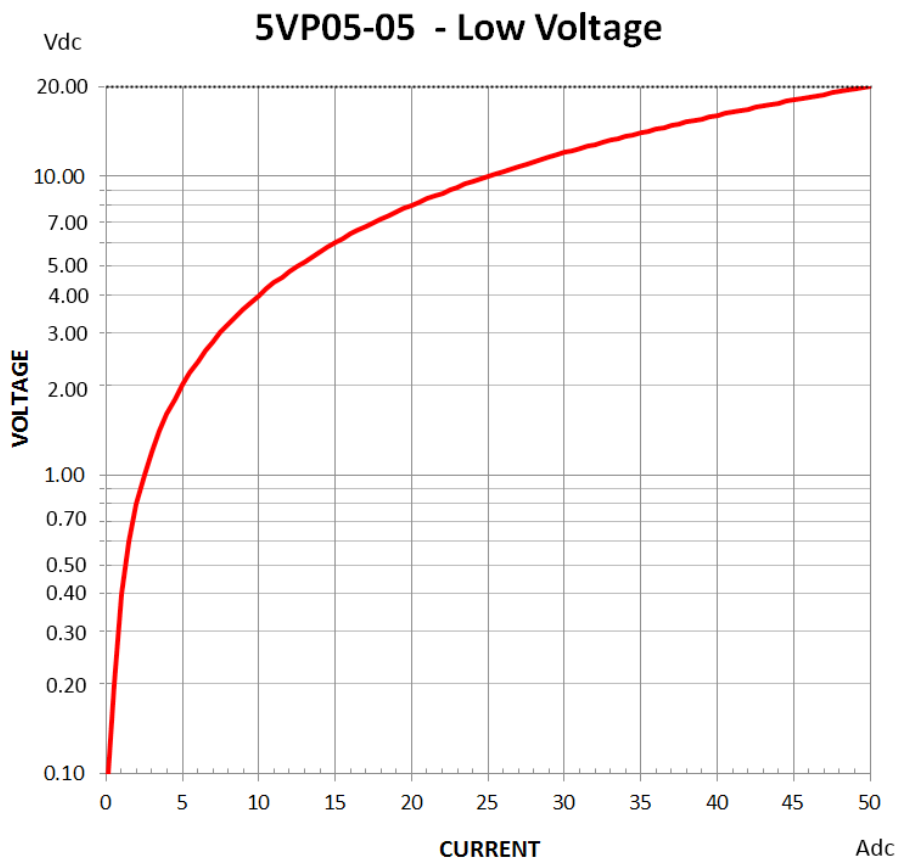
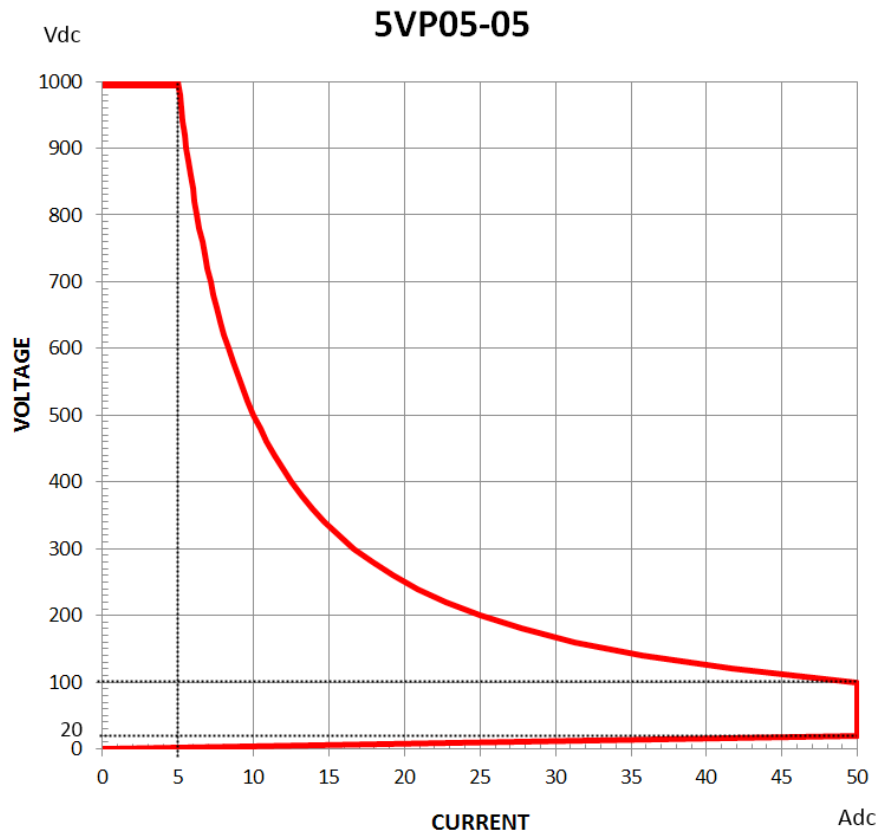
For each APS load model, two charts are provided. The first chart shows the maximum operating limits of input voltage, current and power dissipation. The load can be used anywhere below this (red) line. Input voltage to the load is always shown on the vertical axis in Vdc and Current along the horizontal 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 power) levels only. The minimum voltage at which full current can be drawn is shown by the horizontal dashed line.



MODEL 5VP05-05 RATING CHARTS

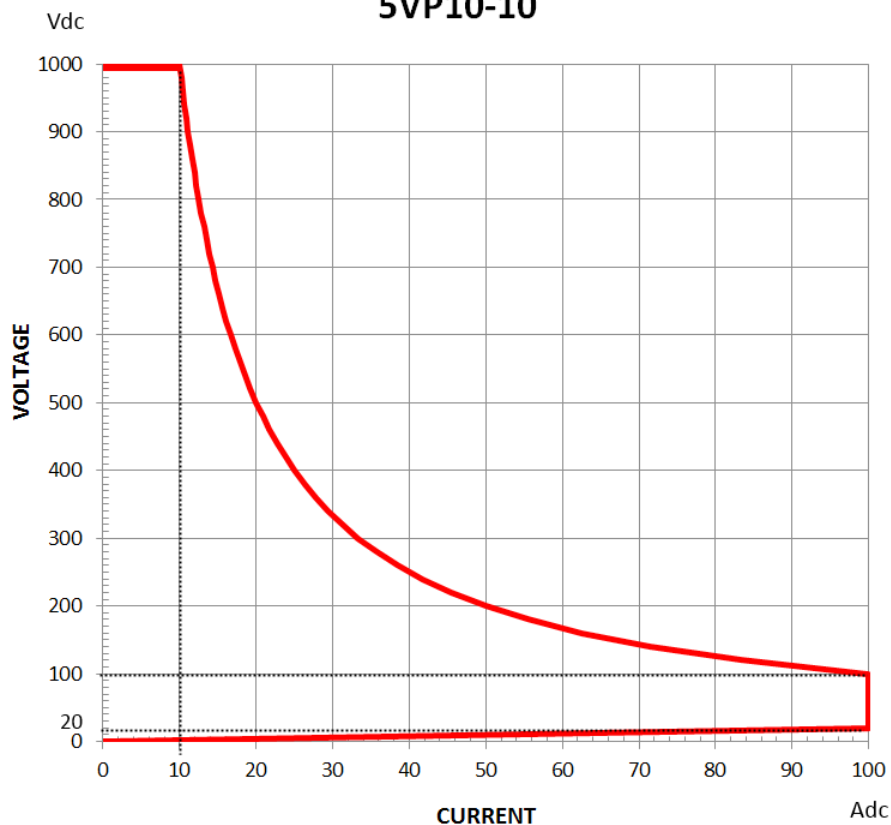
5KW, 1000V, 50A



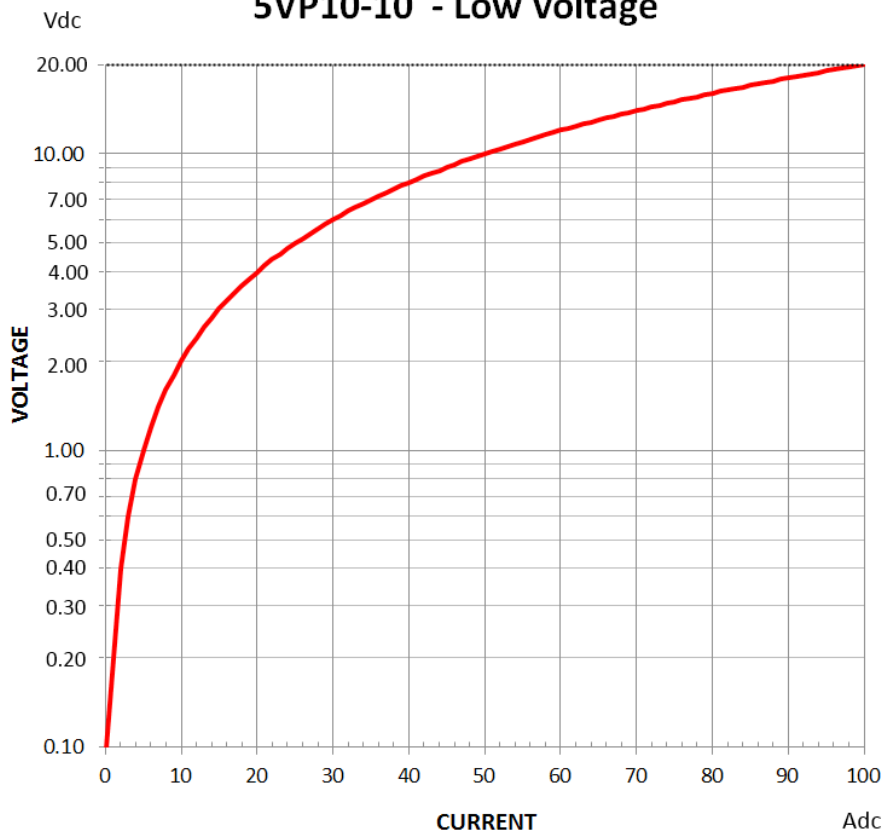
MODEL 5VP10-10 RATING CHARTS

10KW, 1000V, 100A

5VP10-10

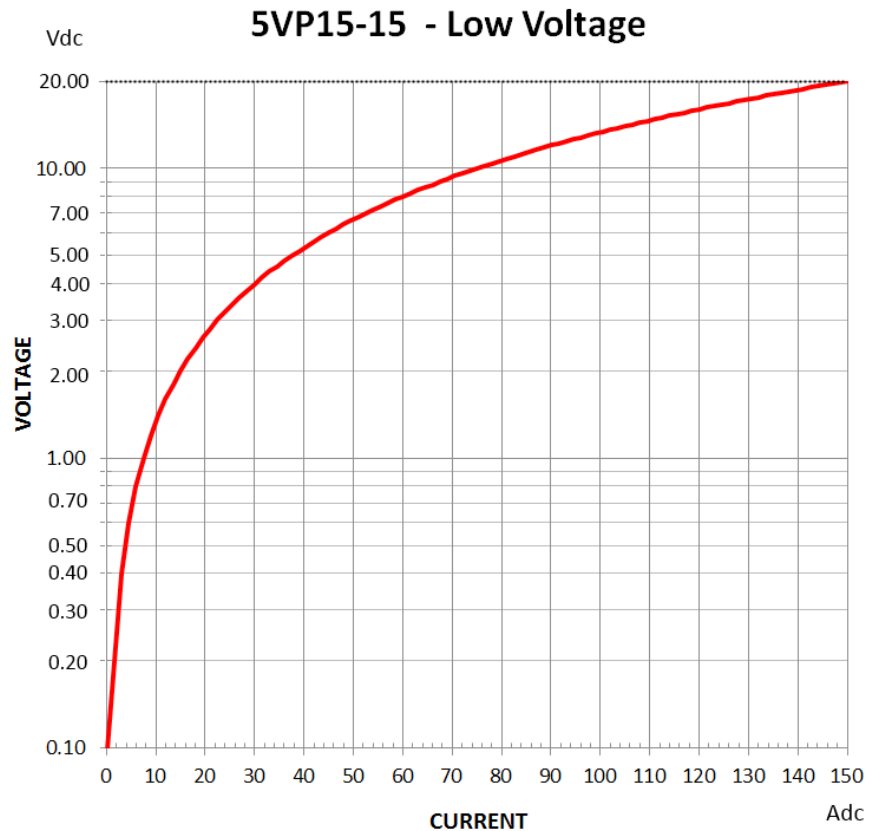
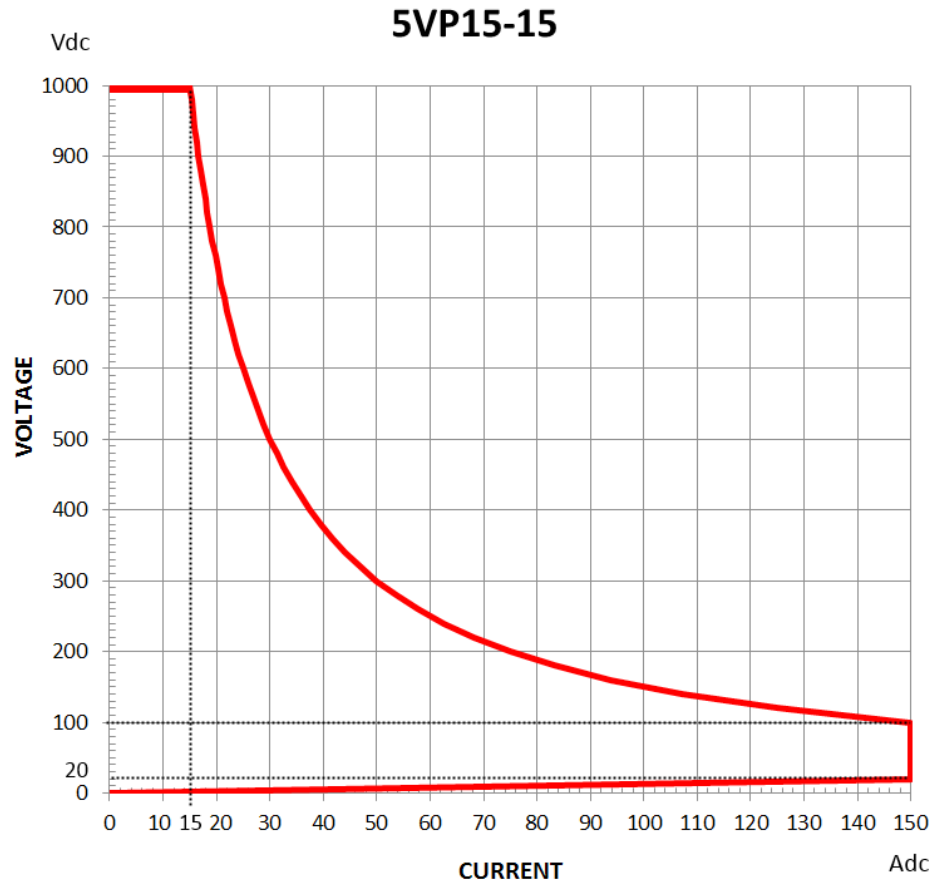


5VP10-10 - Low Voltage



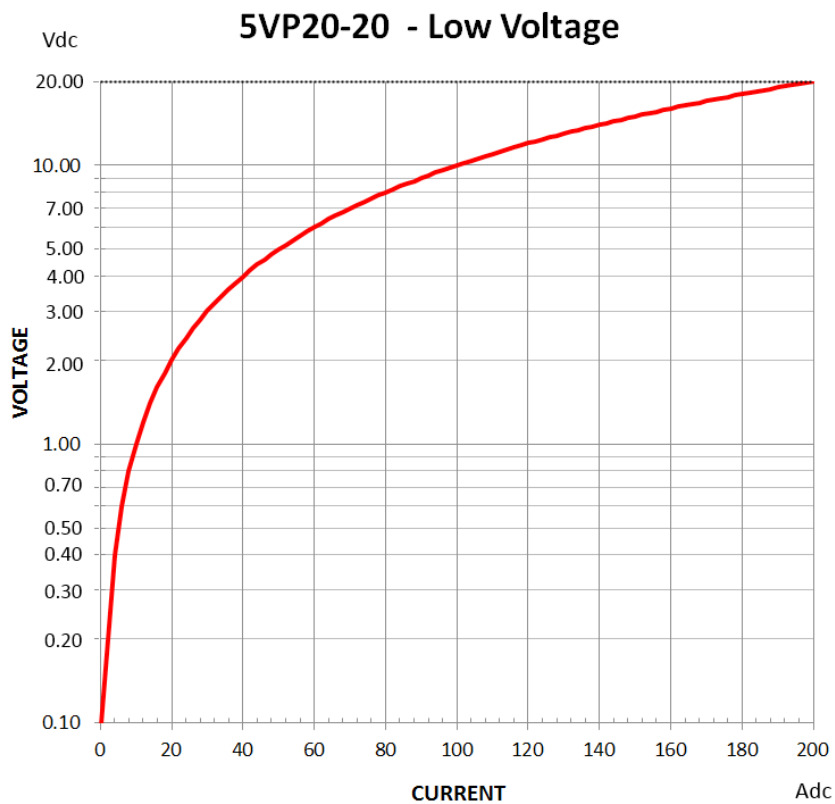
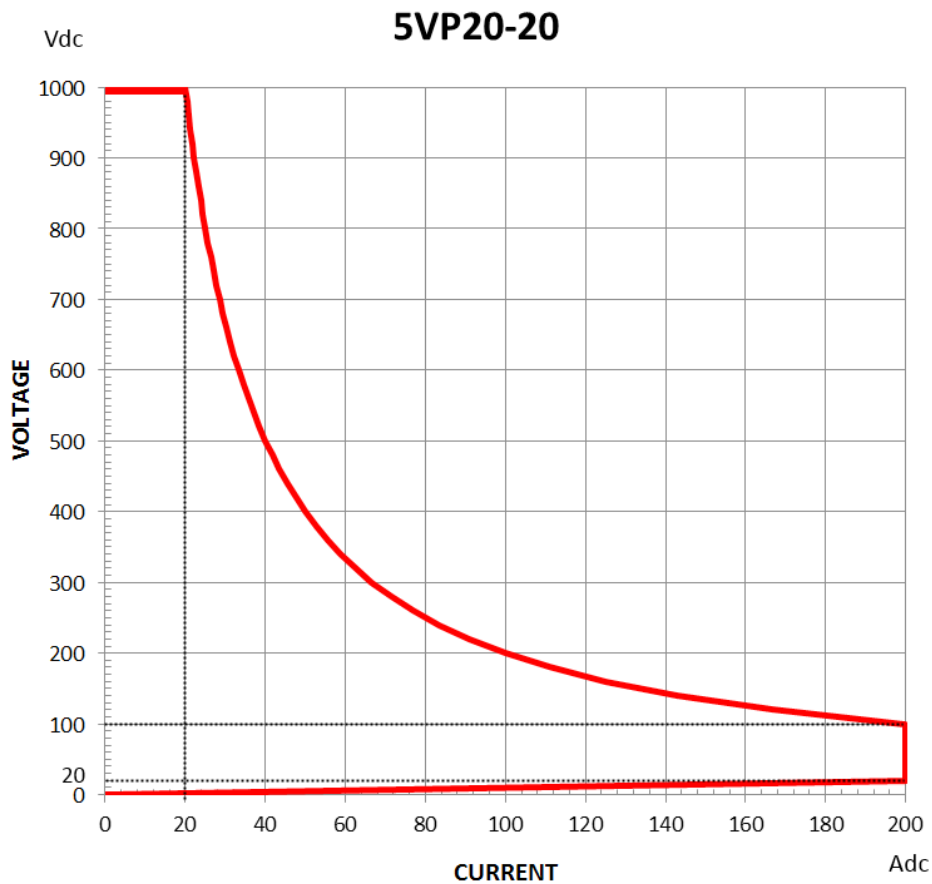
MODEL 5VP15-15 RATING CHARTS

15KW, 1000V, 150A



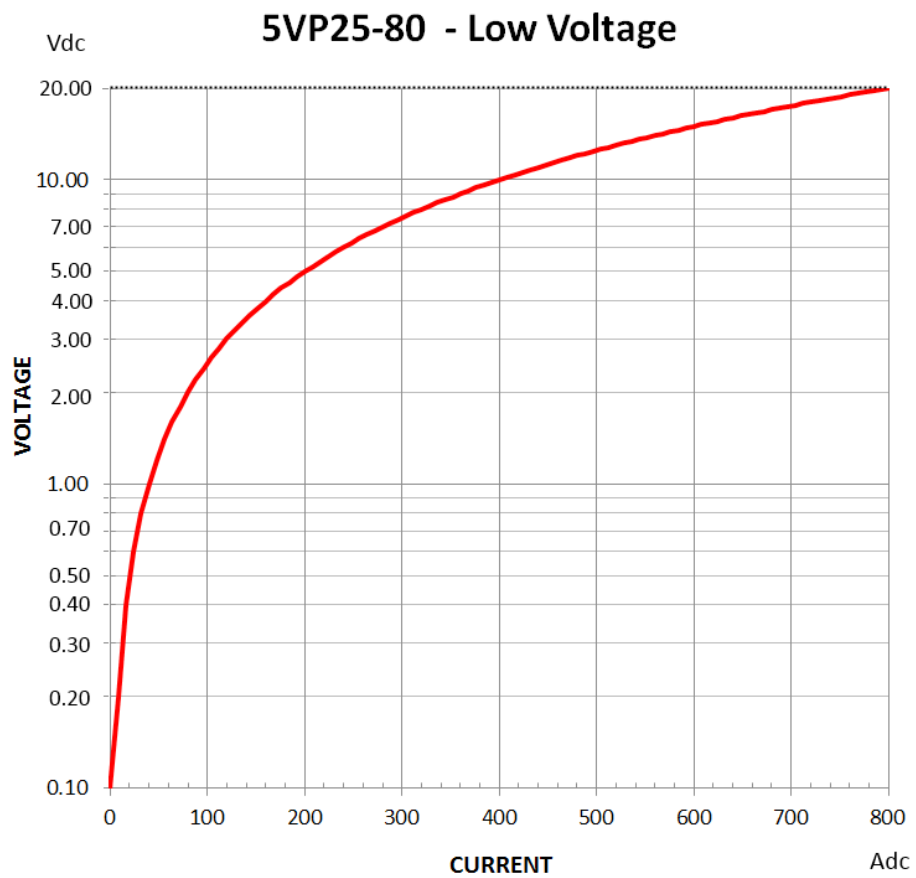
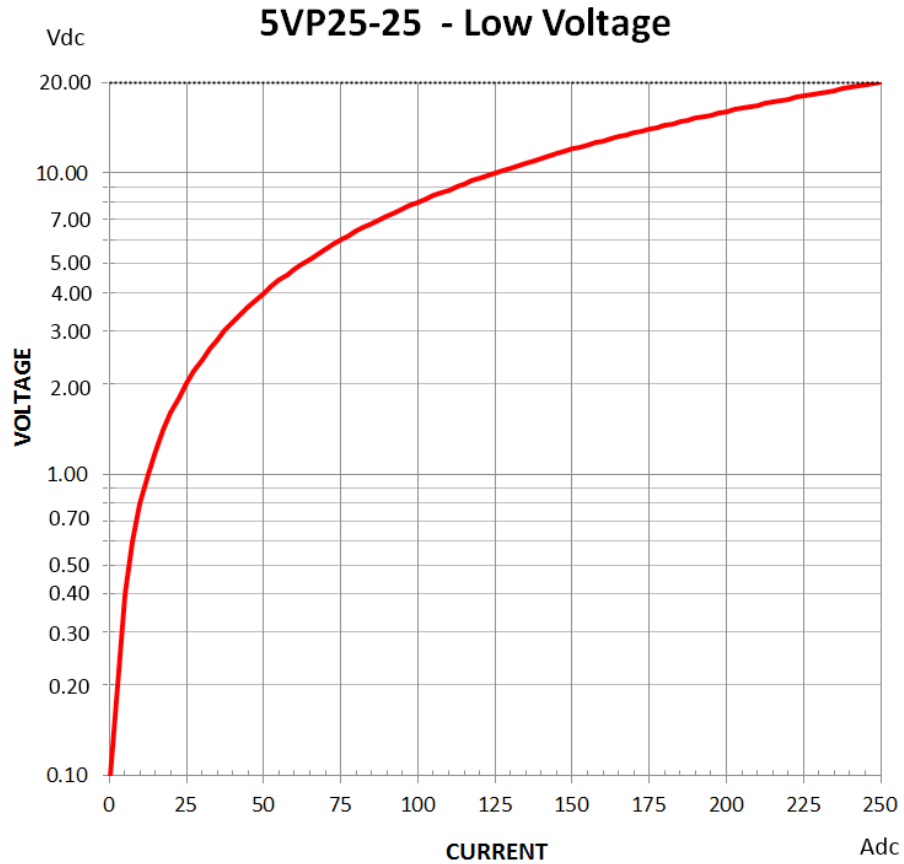
MODEL 5VP20-20 RATING CHARTS

20KW, 1000V, 200A



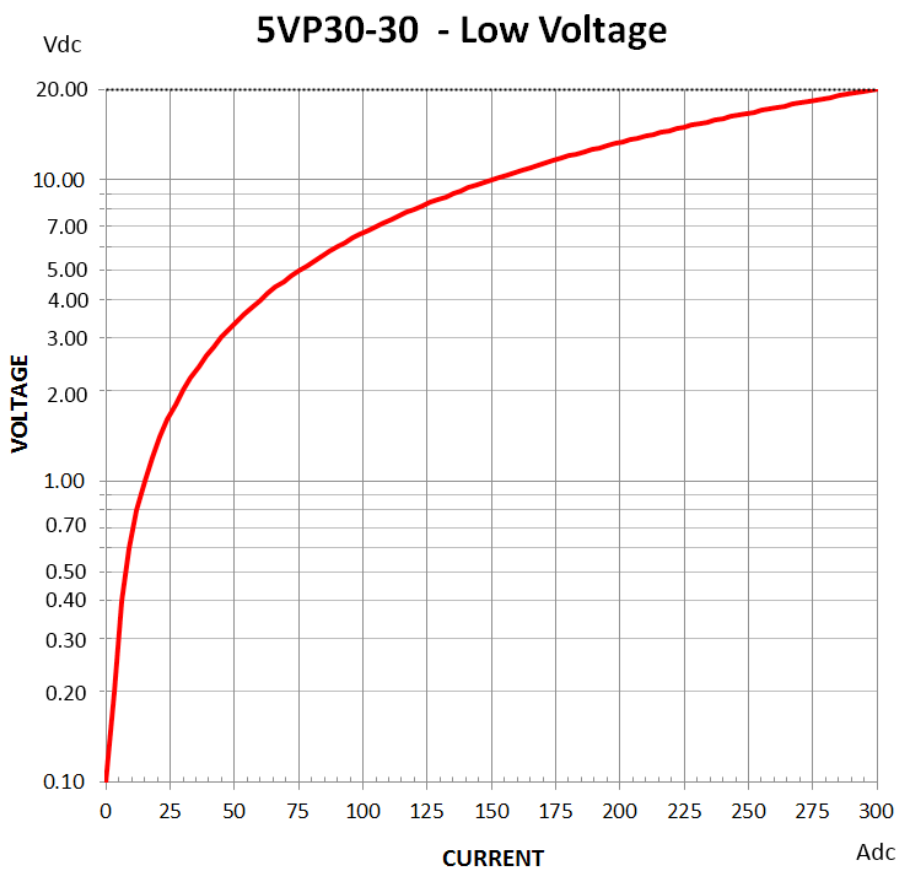
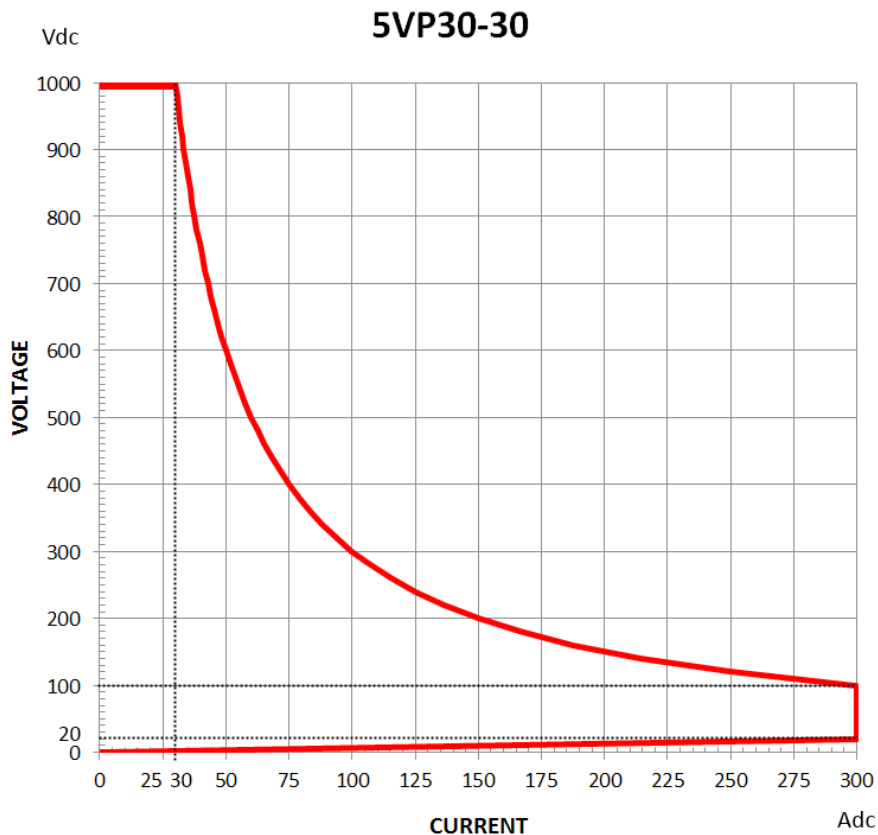
MODEL 5VP25-25 RATING CHARTS

25KW, 1000V, 250A



MODEL 5VP30-30 RATING CHARTS

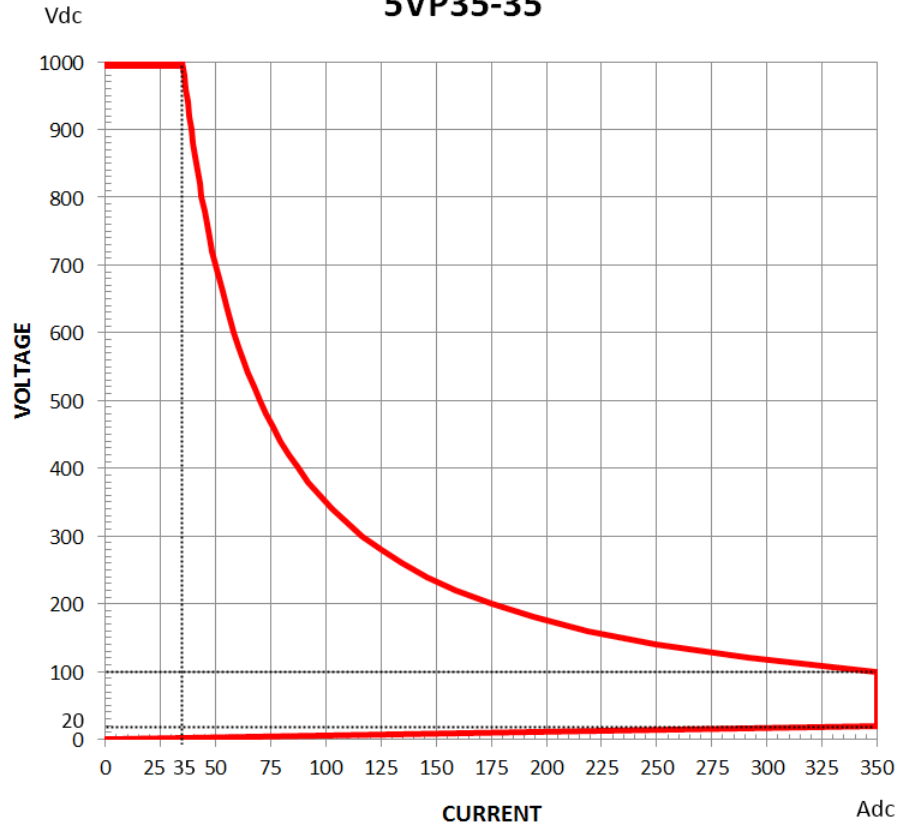
30KW, 1000V, 300A



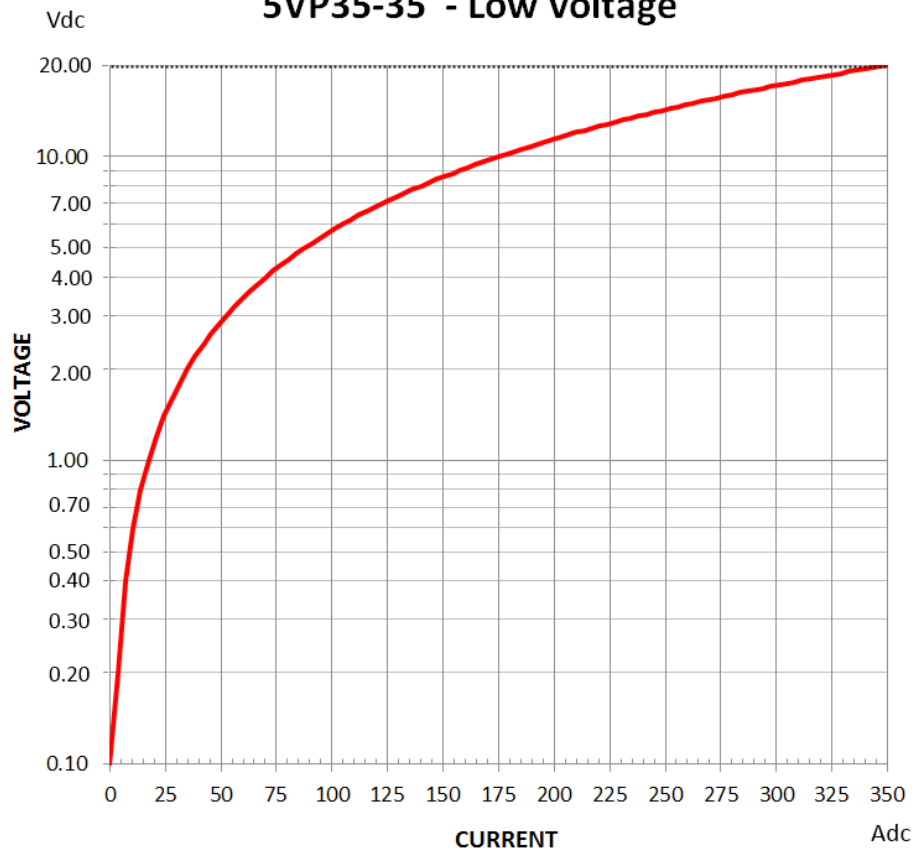
MODEL 5VP35-35 RATING CHARTS

35KW, 1000V, 350A

5VP35-35

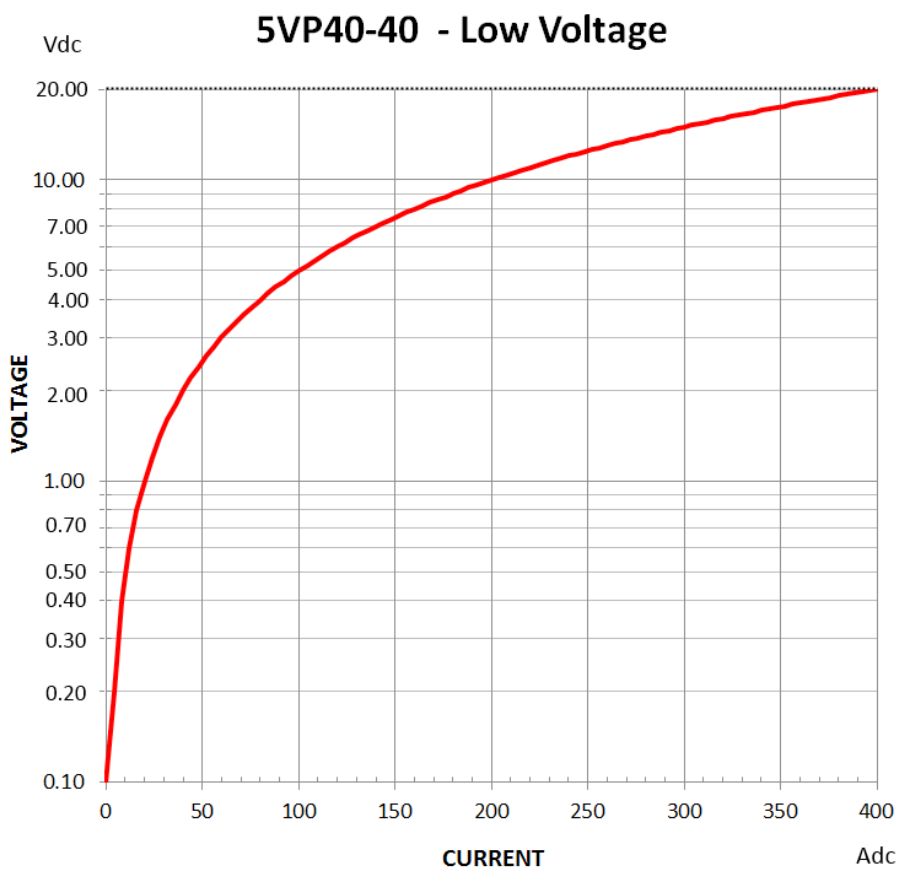
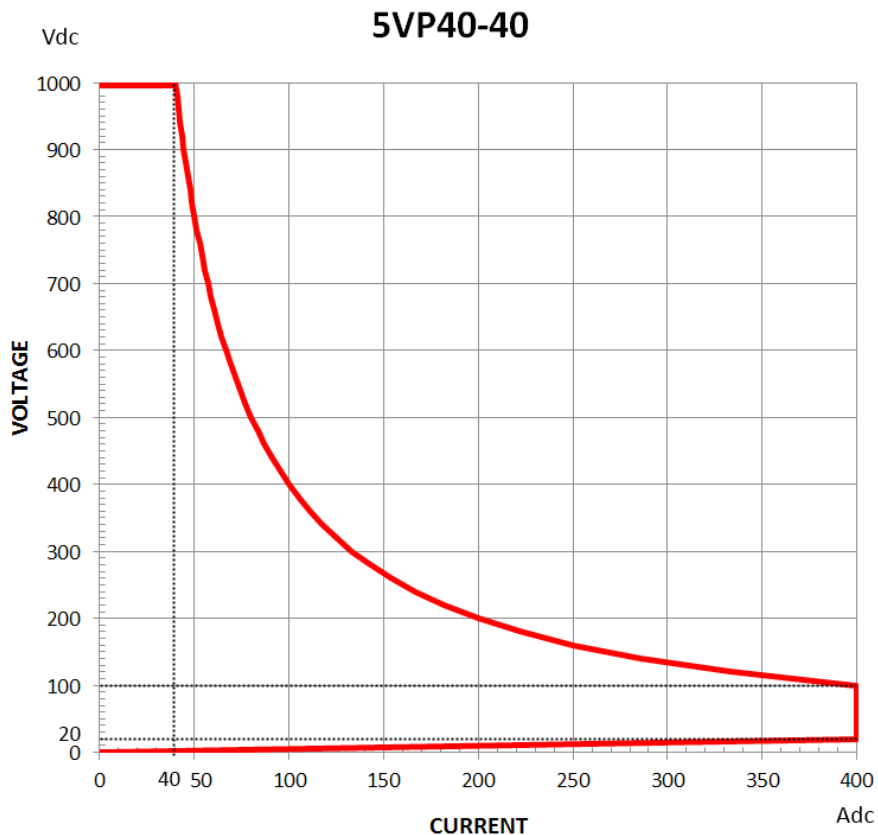


5VP35-35 - Low Voltage



MODEL 5VP40-40 RATING CHARTS

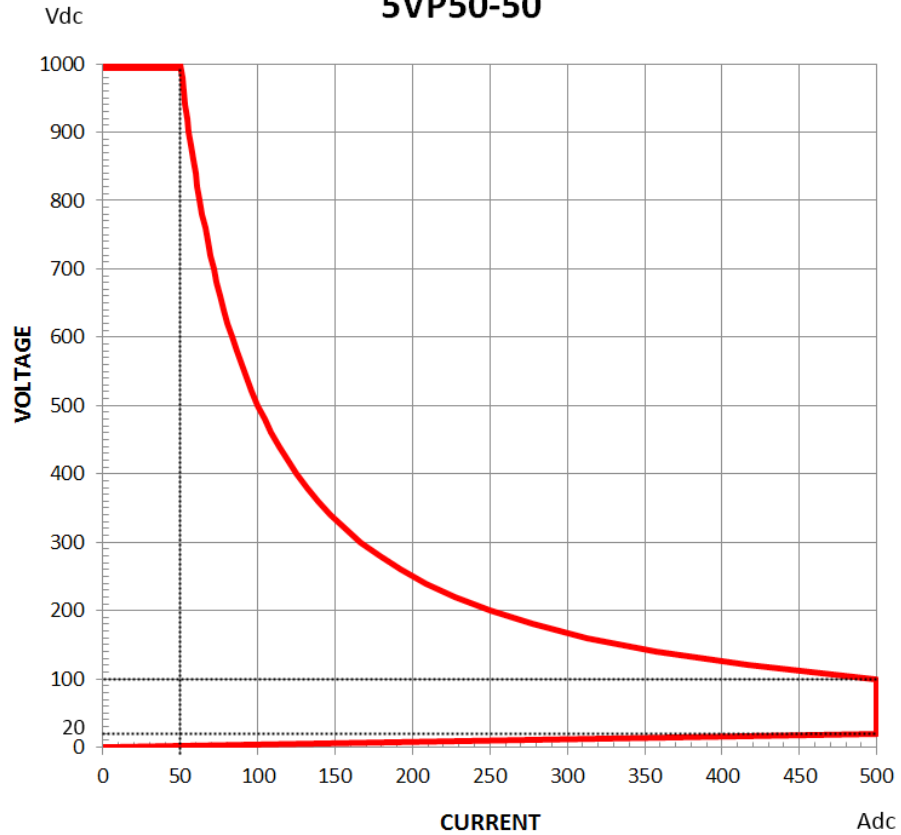
40KW, 1000V, 400A



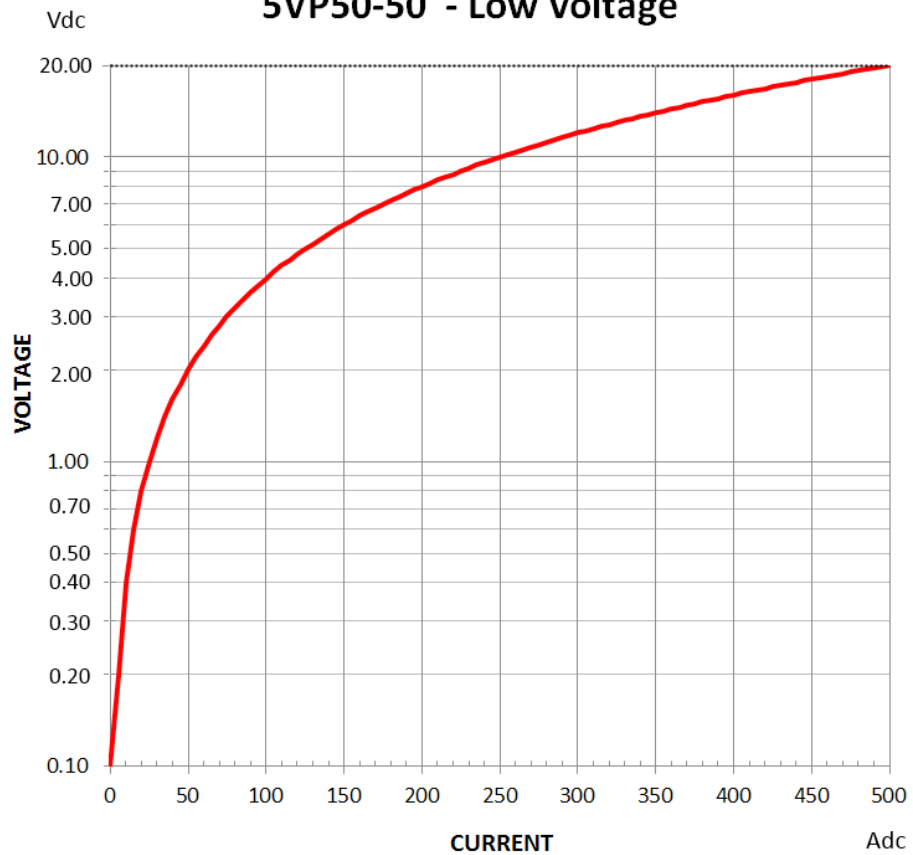
MODEL 5VP50-50 RATING CHARTS

50KW, 1000V, 500A

5VP50-50

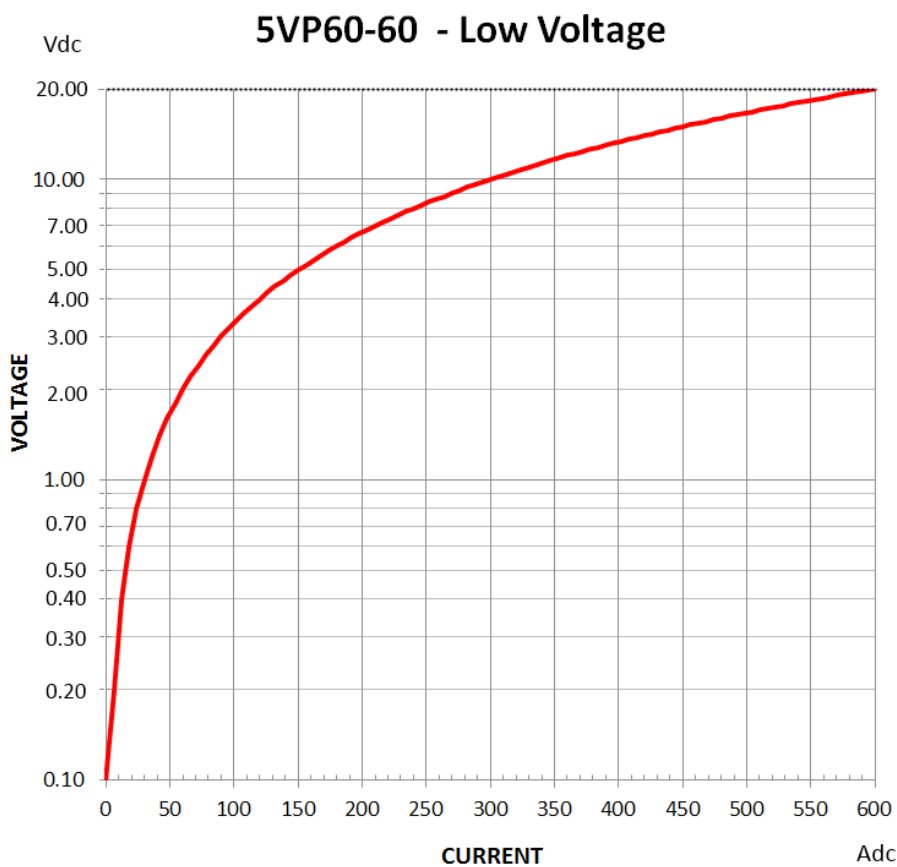
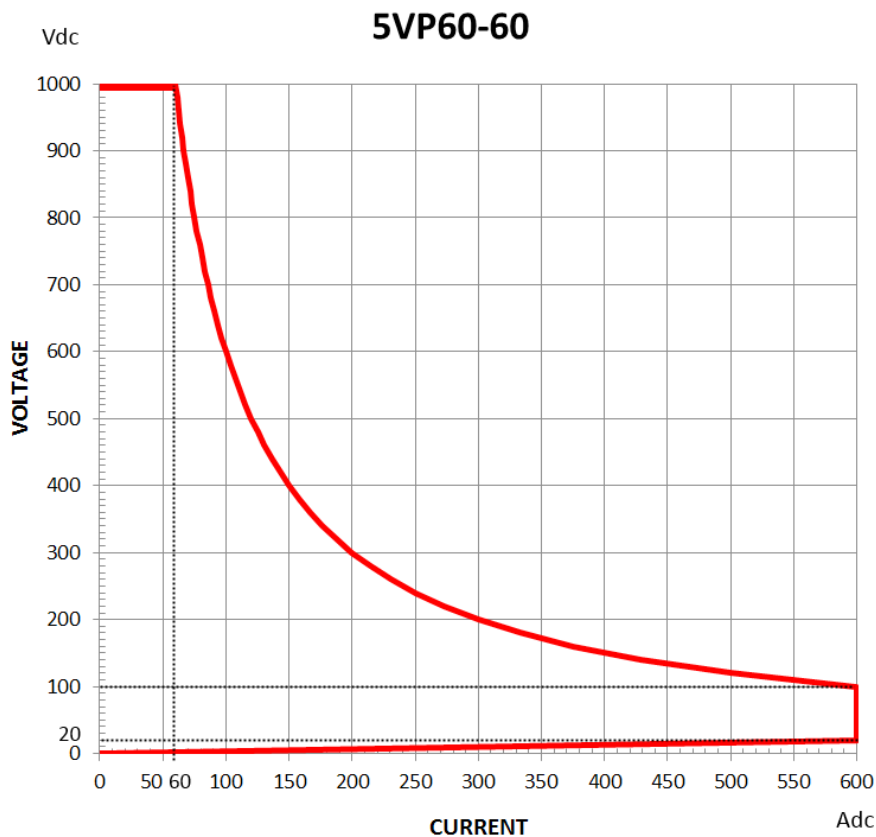


5VP50-50 - Low Voltage



MODEL 5VP60-60 RATING CHARTS

60KW, 1000V, 600A



5VP SERIES 1000V 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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