

## 5L SERIES DC LOADS

### Operating Area Charts:

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

### MODELS:

- 5VP05-16: 5KW, 600V, 160A
- 5VP10-32: 10KW, 600V, 320A
- 5VP15-48: 15KW, 600V, 480A
- 5VP20-64: 20KW, 600V, 640A
- 5VP25-80: 25KW, 600V, 800A
- 5VP30-96: 30KW, 600V, 960A
- 5VP50-21: 50KW, 600V, 210A
- 5VP60-24: 60KW, 600V, 240A



### OVERVIEW

This technical specification sheet contains voltage, current and power operating curves for the 600Vdc 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 1000Vdc 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.

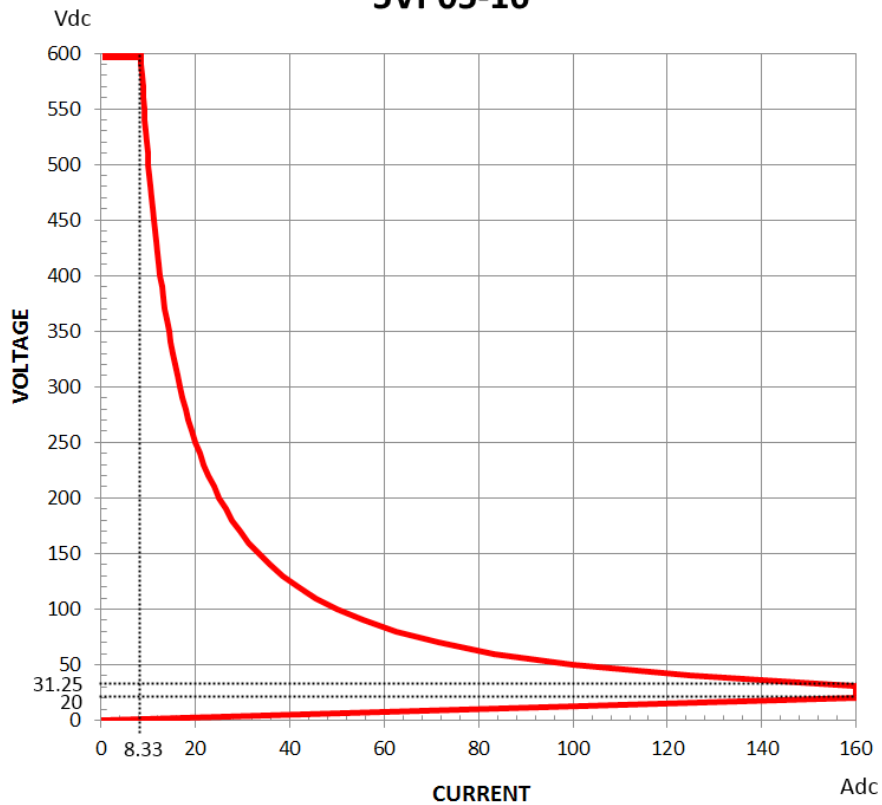
In addition to the operating curve, a second chart shows the low-voltage operating range in greater detail. To better show the small voltage differences on the vertical scale, these charts use a logarithmic scale instead of a linear scale. Low voltage operation is possible but at decreasing current (and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



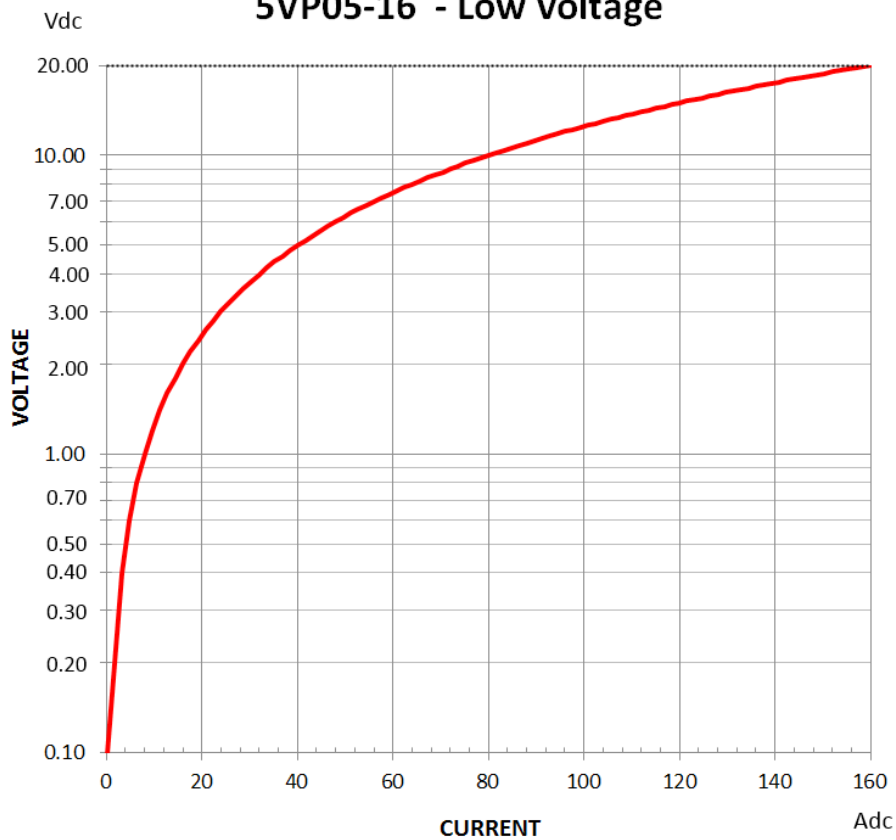
# MODEL 5VP05-16 RATING CHARTS

5KW, 600V, 160A

## 5VP05-16



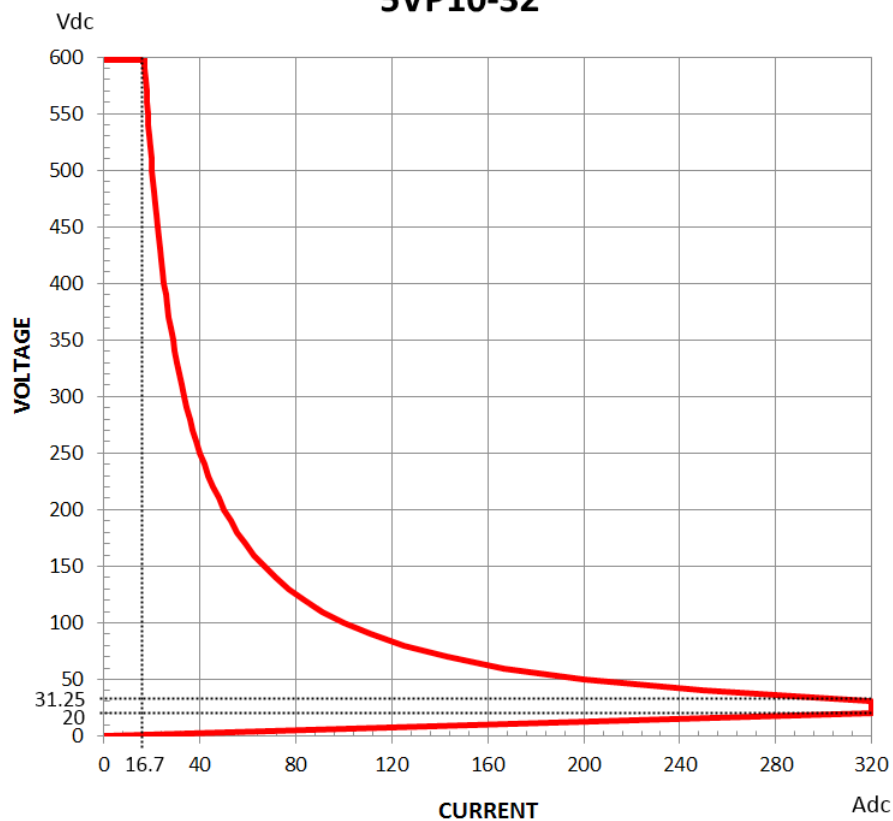
## 5VP05-16 - Low Voltage



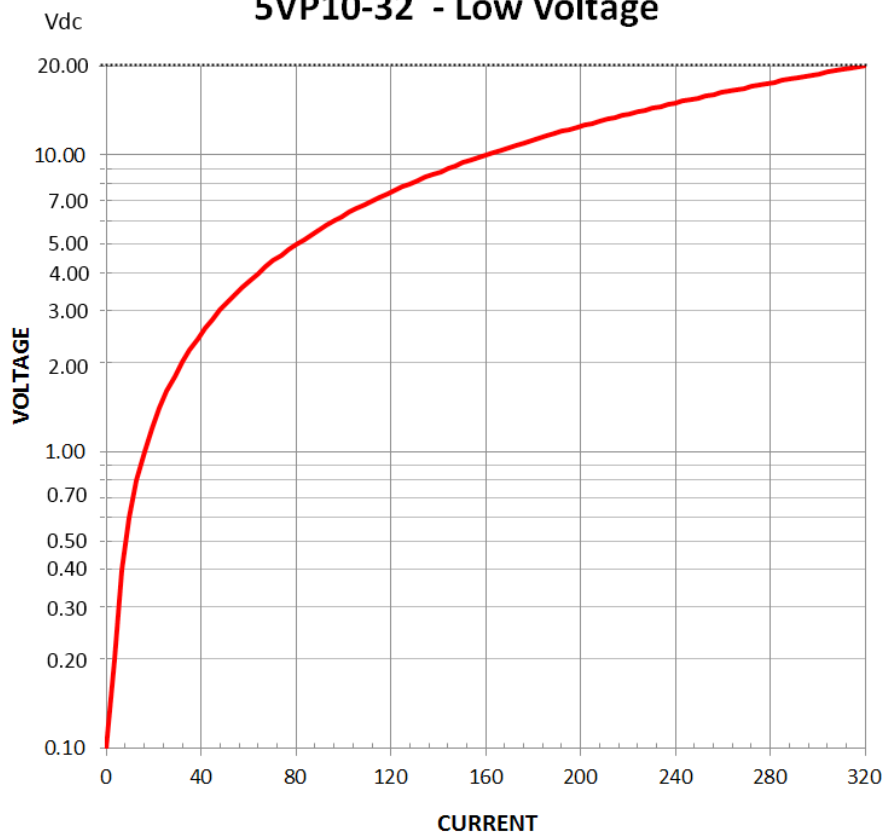
# MODEL 5VP10-32 RATING CHARTS

10KW, 600V, 320A

5VP10-32



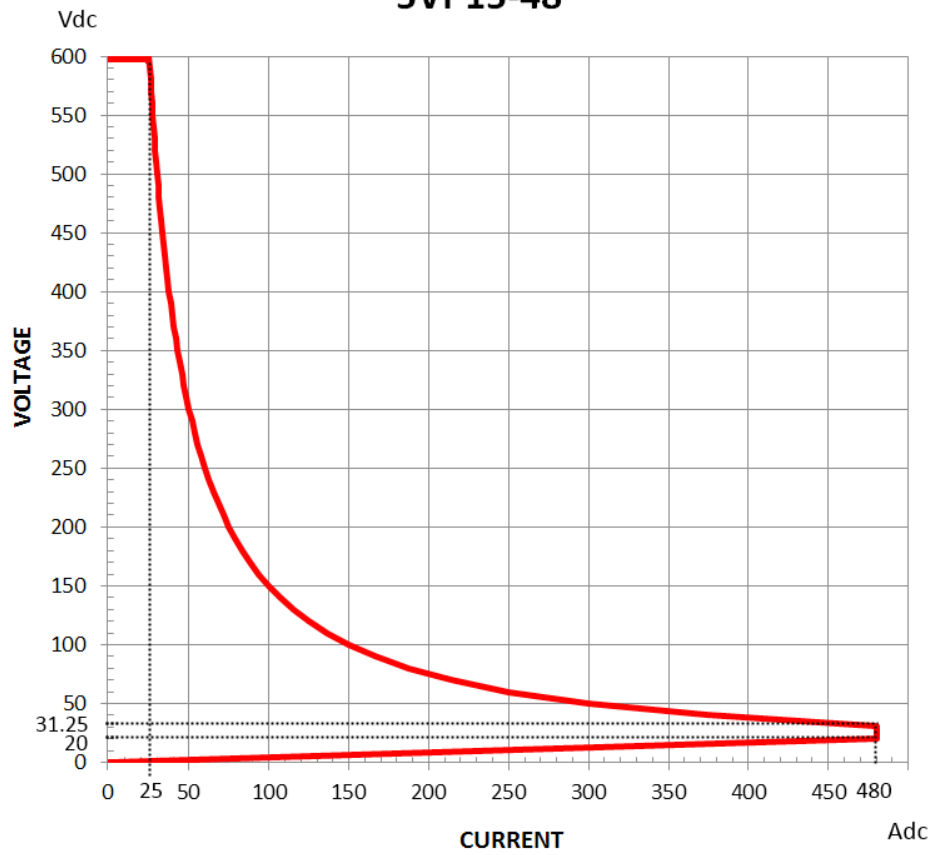
5VP10-32 - Low Voltage



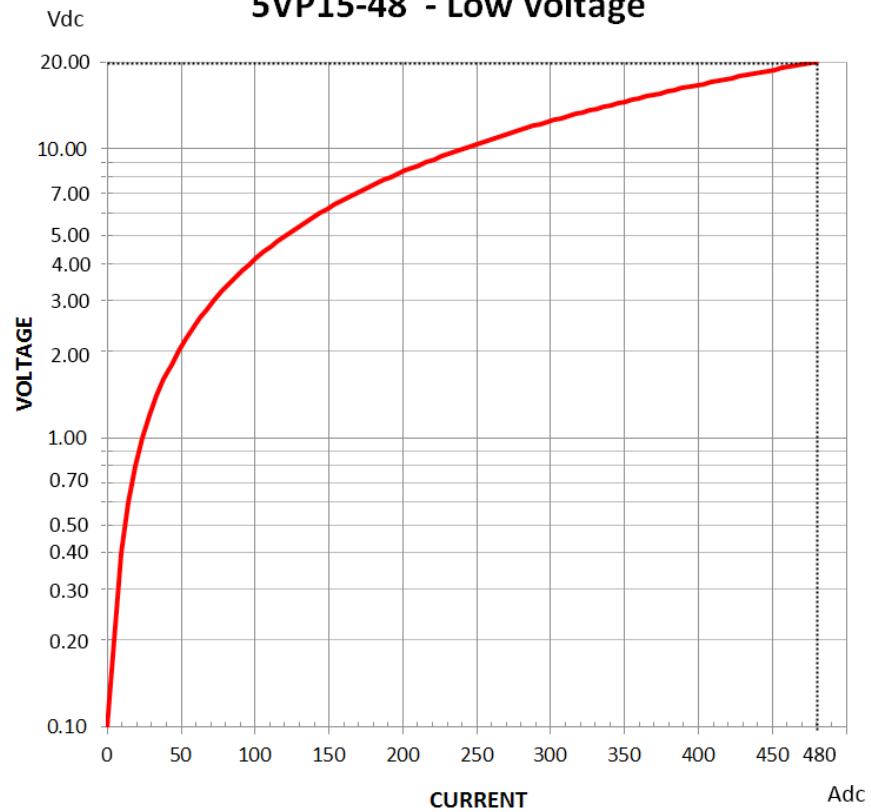
# MODEL 5VP15-48 RATING CHARTS

15KW, 600V, 480A

## 5VP15-48



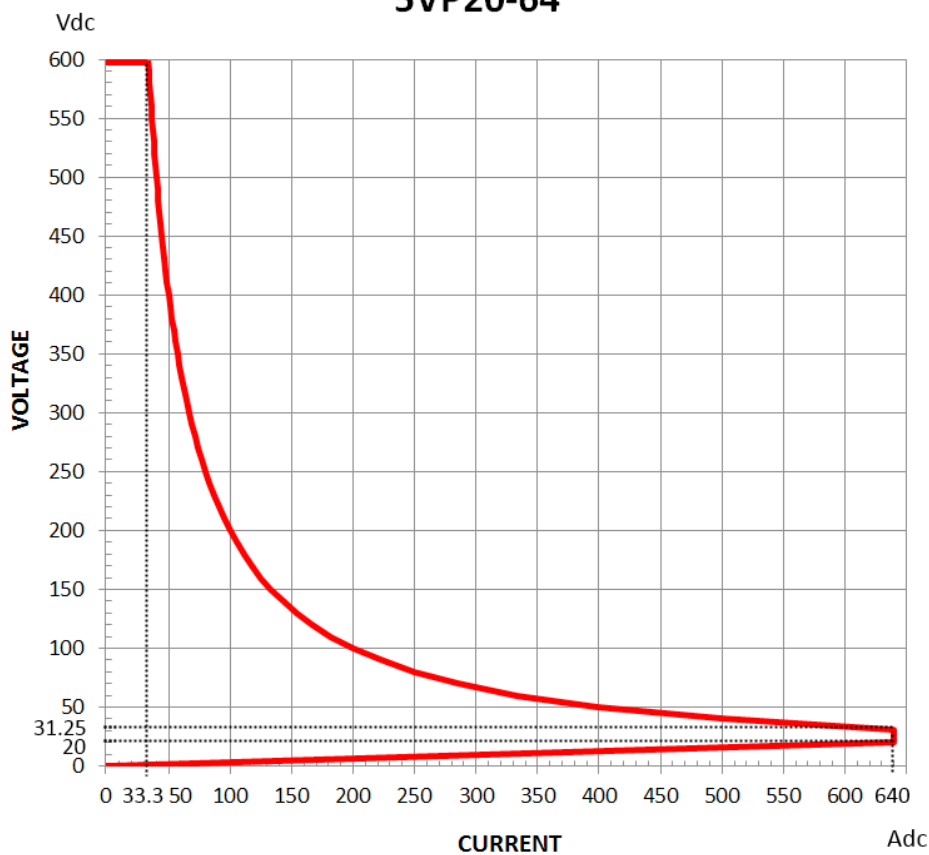
## 5VP15-48 - Low Voltage



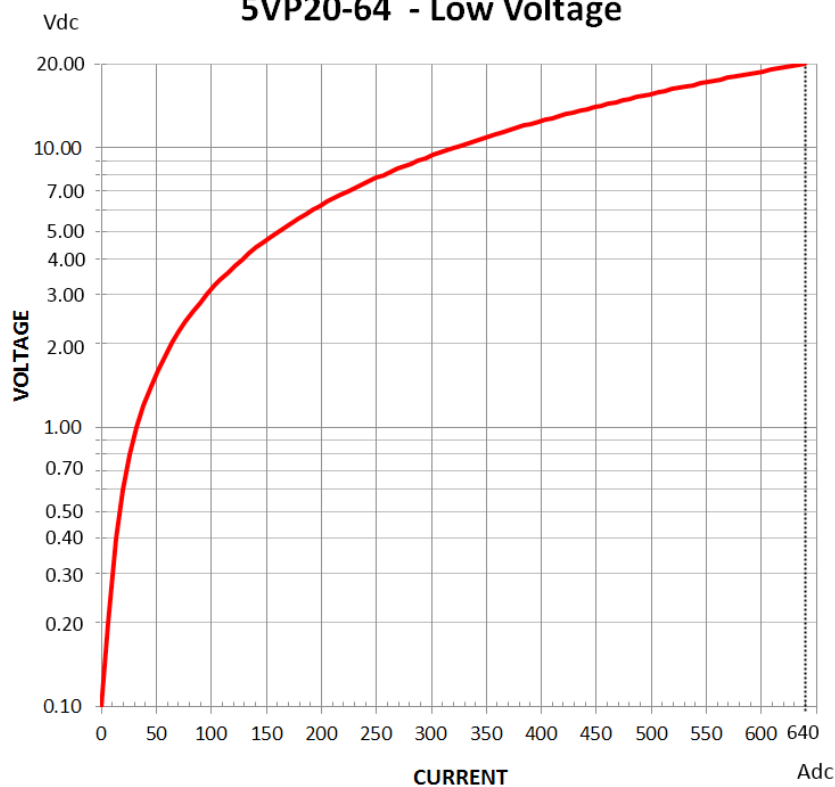
# MODEL 5VP20-64 RATING CHARTS

20KW, 600V, 640A

## 5VP20-64



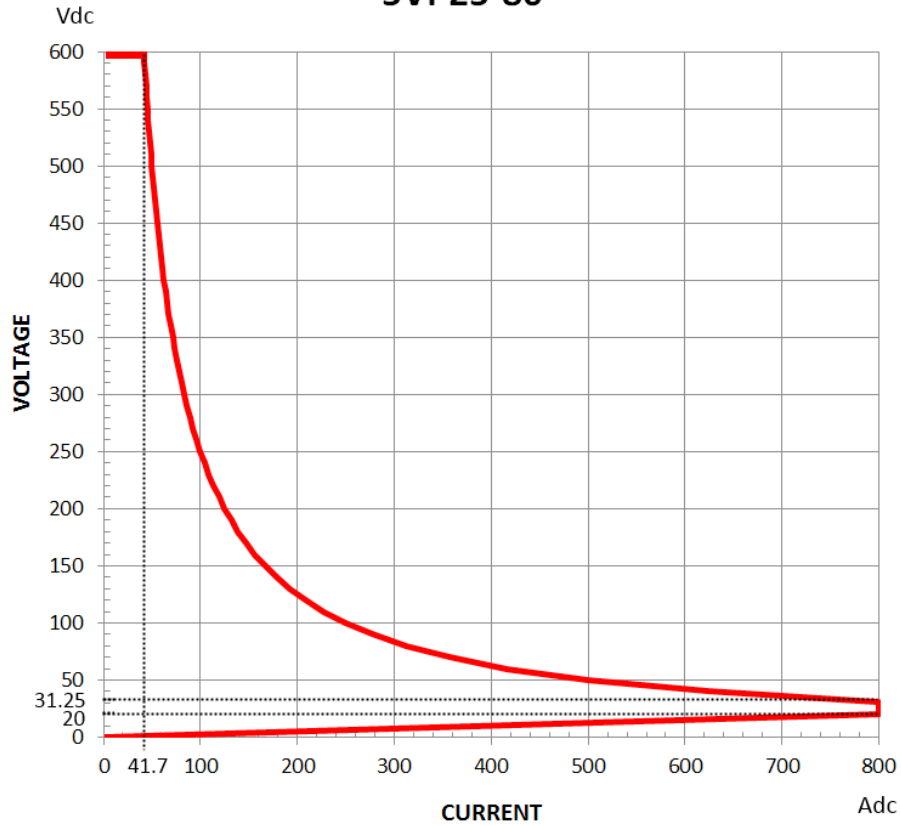
## 5VP20-64 - Low Voltage



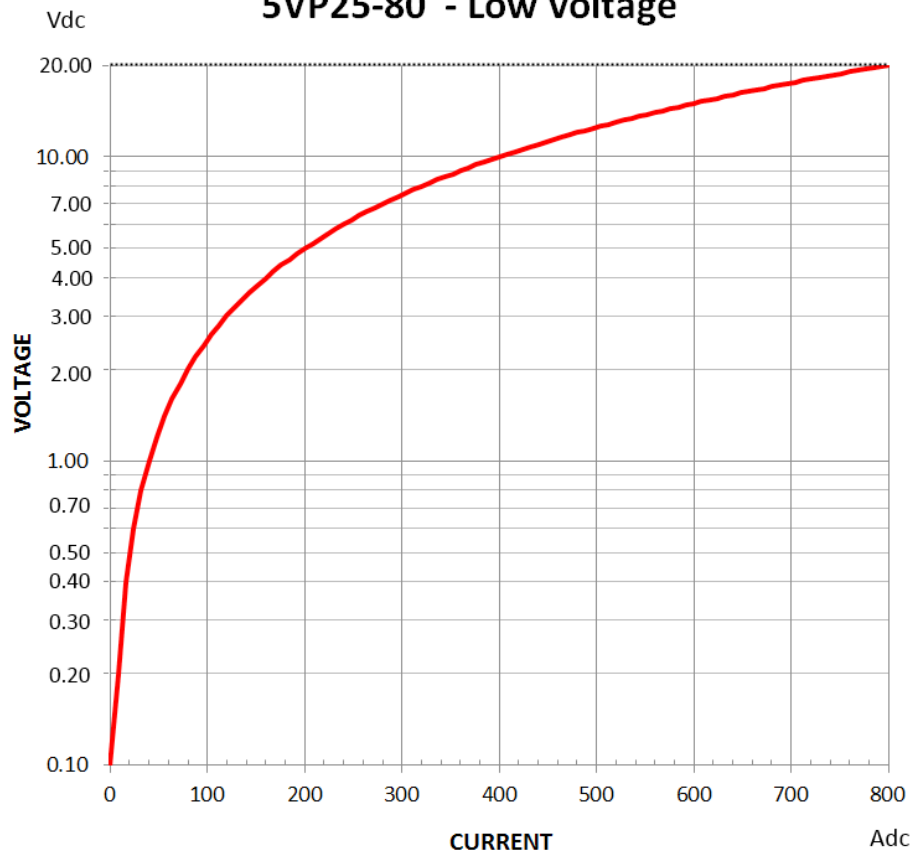
# MODEL 5VP25-80 RATING CHARTS

25KW, 600V, 800A

## 5VP25-80



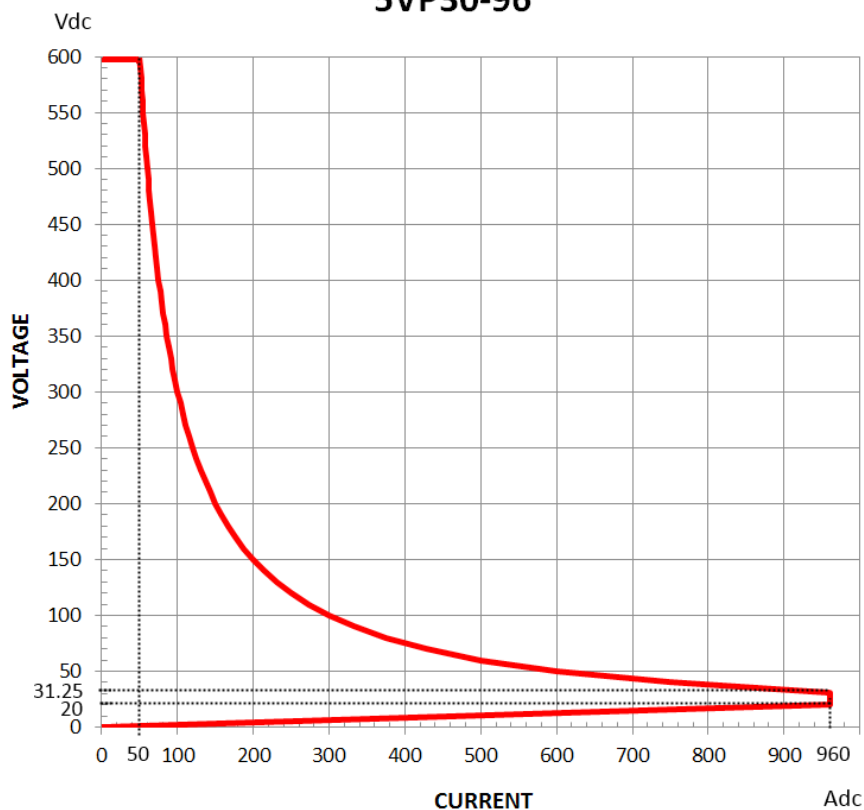
## 5VP25-80 - Low Voltage



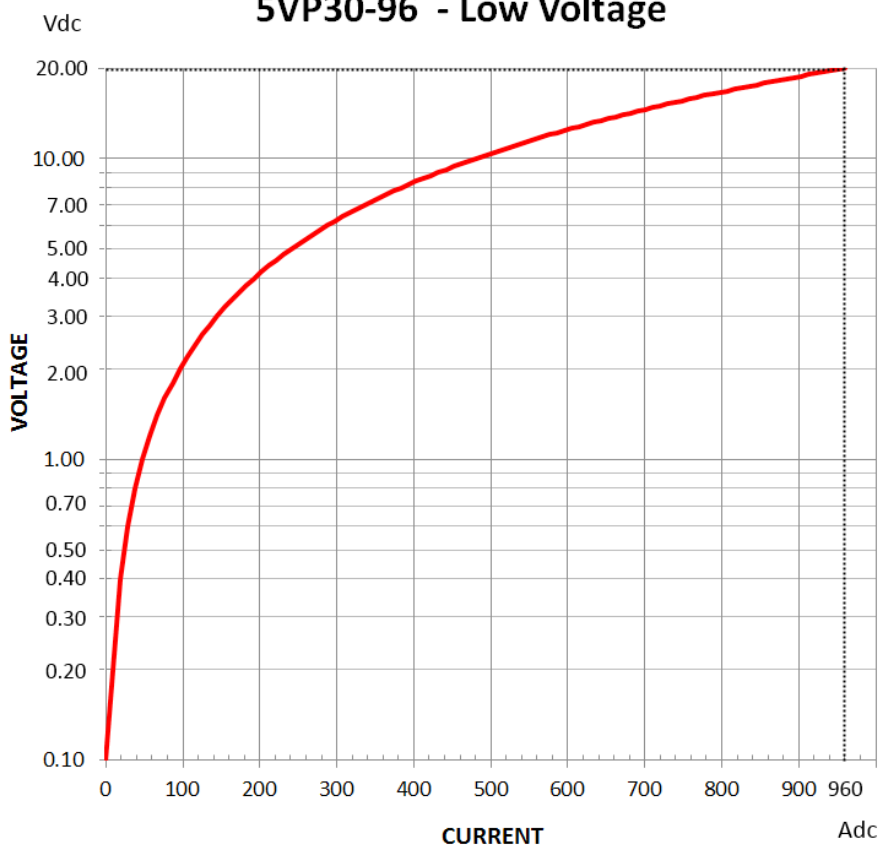
# MODEL 5VP30-96 RATING CHARTS

30KW, 600V, 960A

## 5VP30-96

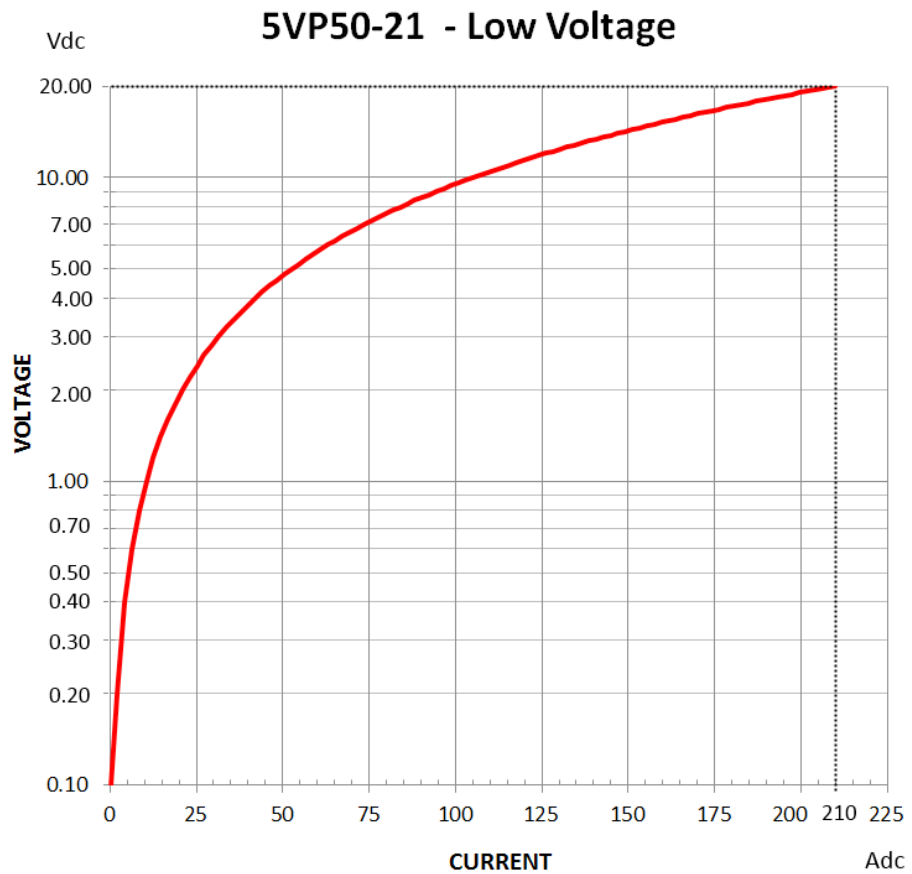
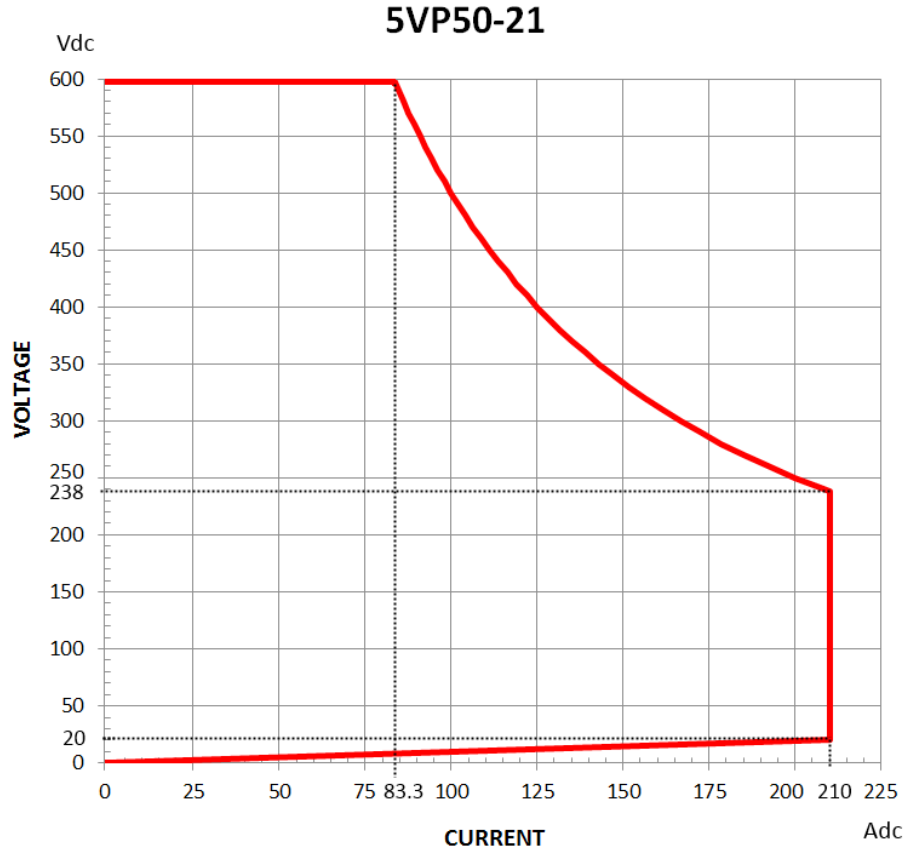


## 5VP30-96 - Low Voltage



# MODEL 5VP50-21 RATING CHARTS

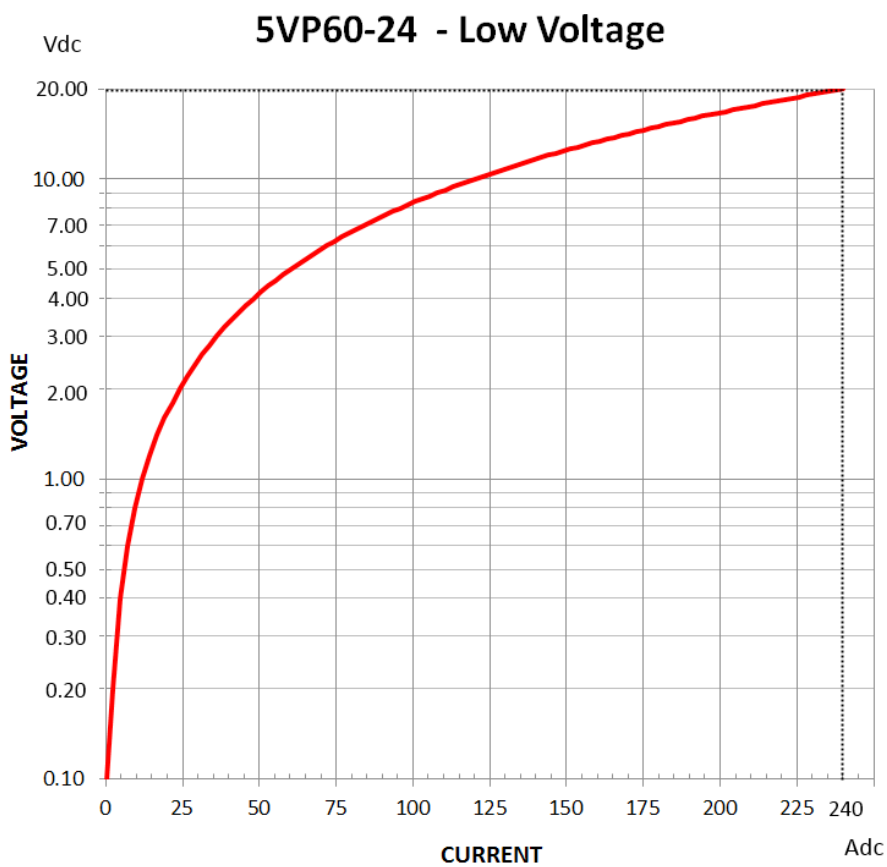
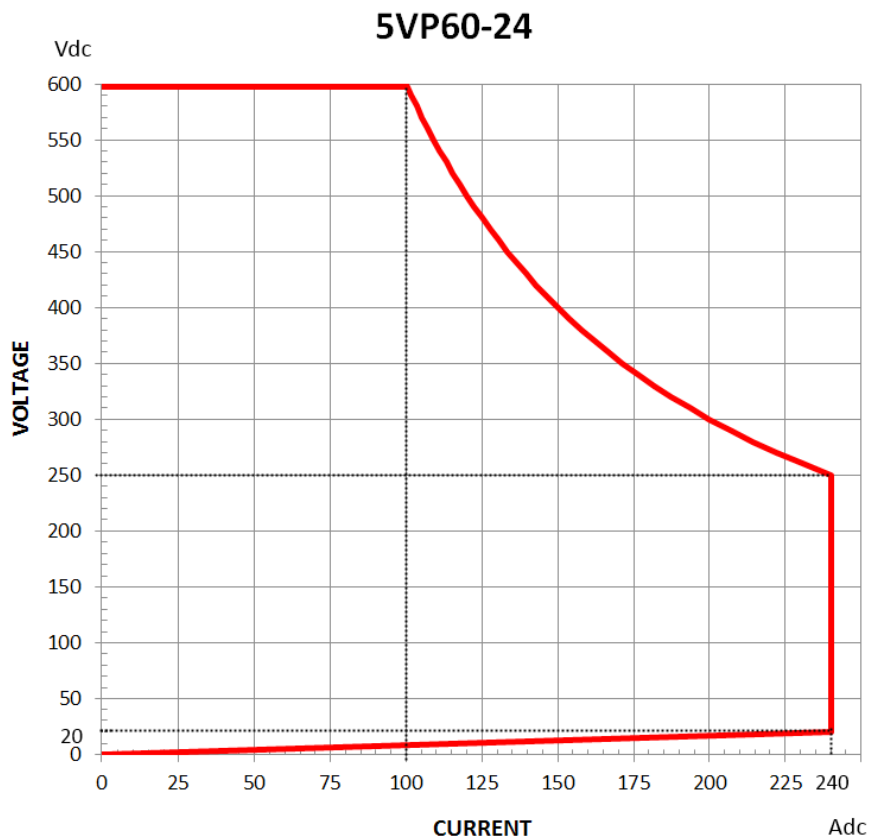
50KW, 600V, 210A





# MODEL 5VP60-240 RATING CHARTS

60KW, 600V, 240A



# 5VP SERIES 600V 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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