

5L SERIES DC LOADS

Operating Area Charts:

- 600W, 1200W or 1800W per Chassis
See 5P or 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 360 Adc
See 5P Series for Higher Current

MODELS:

- 5L06-12: 600W, 60V, 120A
- 5L12-12: 1200W, 60V, 120A
- 5L12-24: 1200W, 60V, 240A
- 5L18-12: 1800W, 60V, 120A
- 5L18-24: 1800W, 60V, 240A
- 5L18-36: 1800W, 60V, 360A



OVERVIEW

This technical specification sheet contains voltage, current and power operating curves for all 5L Series models electronic DC loads. Use these charts to determine the optimal model that meets your specific application needs.

DC electronic loads typically operate within a maximum constant power limit

HOW TO READ THESE CHARTS

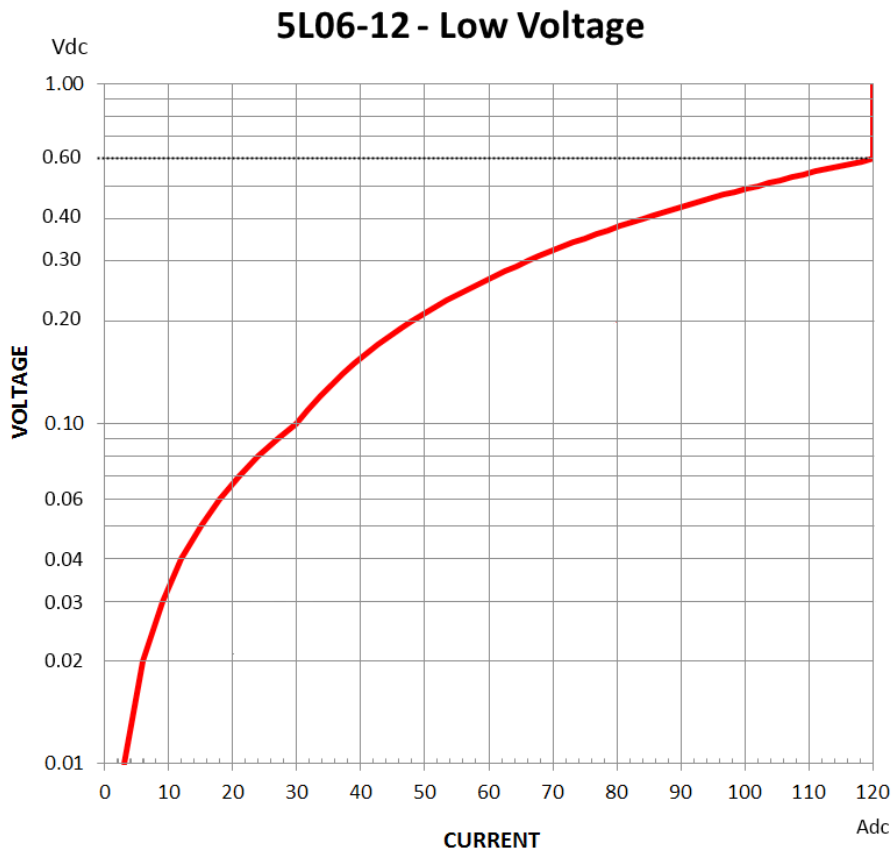
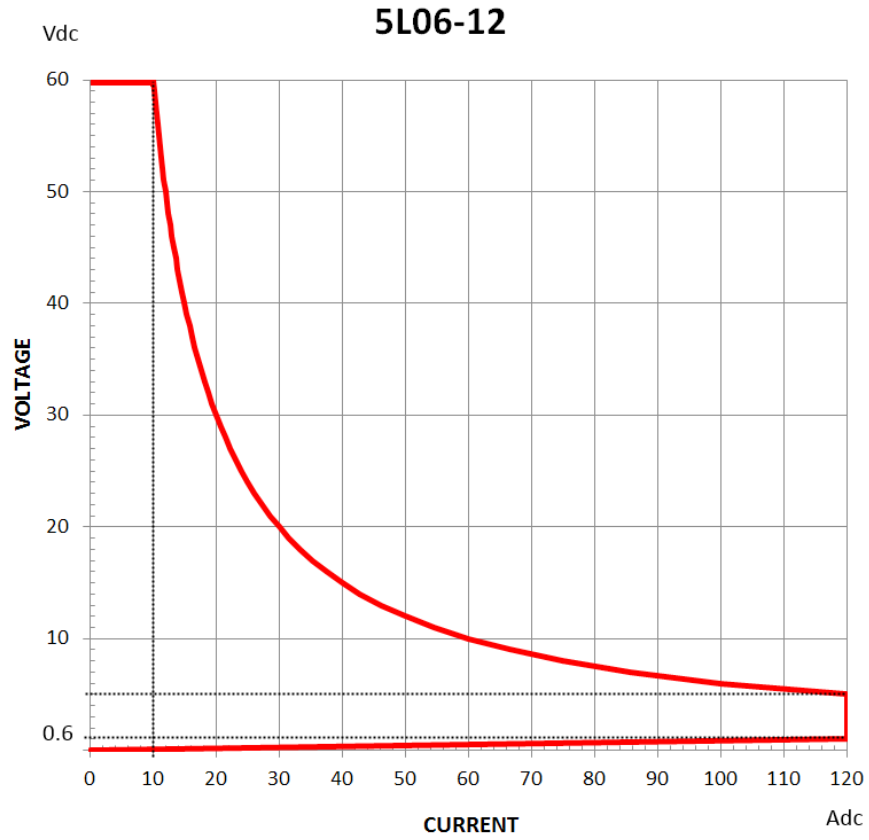
For each APS load model, two charts are provided. The first chart shows the maximum operating limits of input voltage, current and power dissipation. The load can be used anywhere below this (red) line. Input voltage to the load is always shown on the vertical axis in Vdc and Current along the horizontal 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 5L06-12 RATING CHARTS

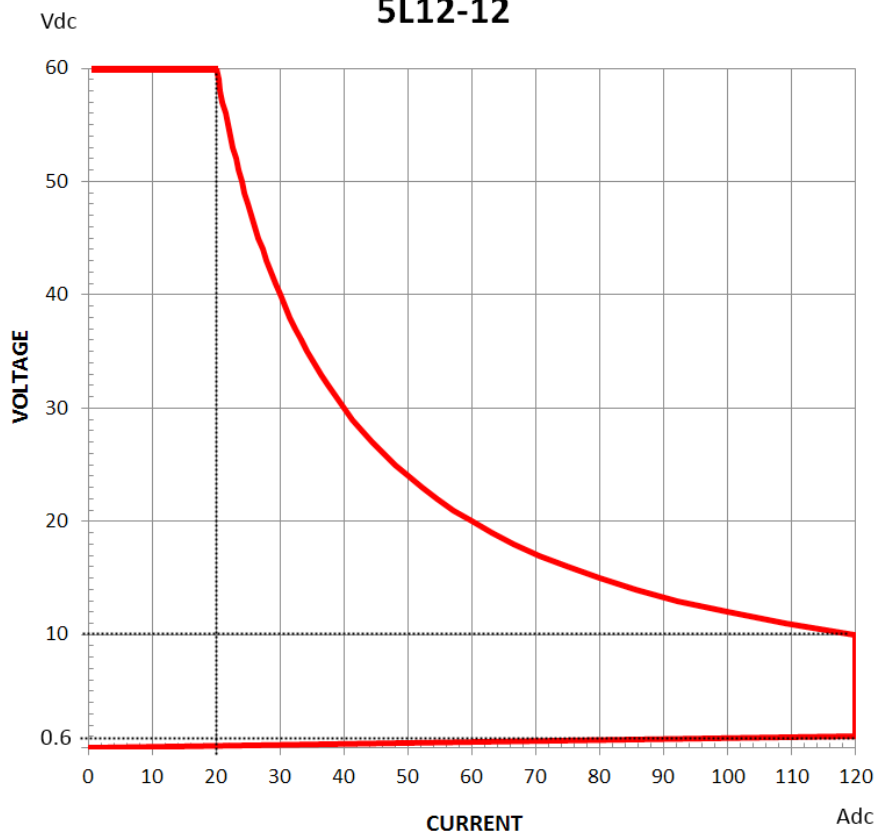
600W, 60V, 120A



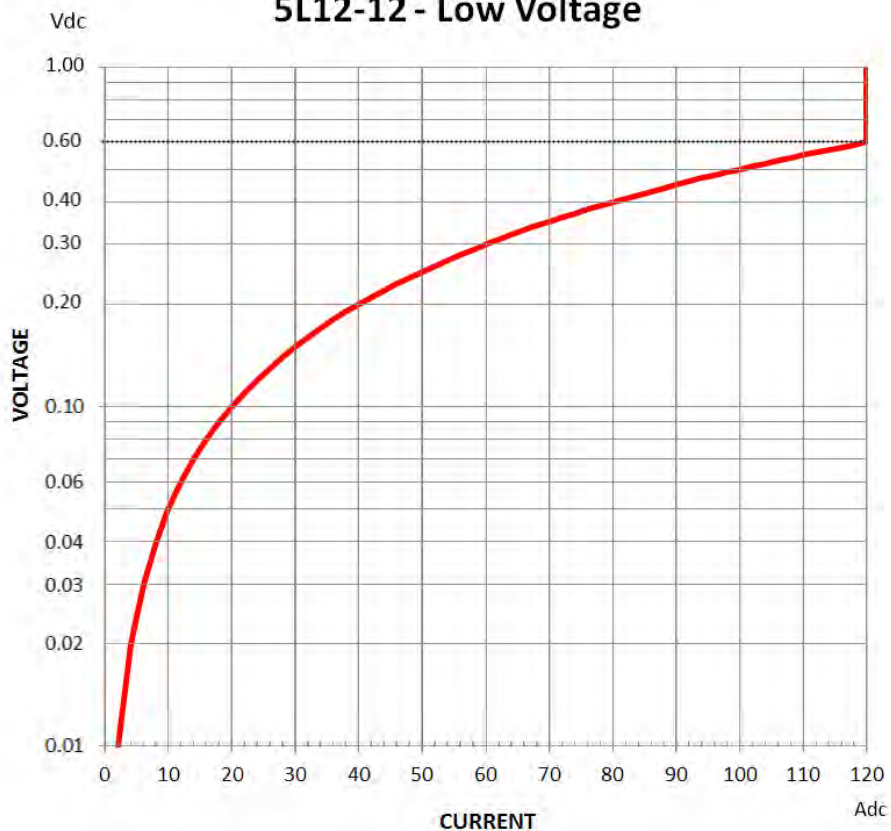
MODEL 5L12-12 RATING CHARTS

1200W, 60V, 120A

5L12-12

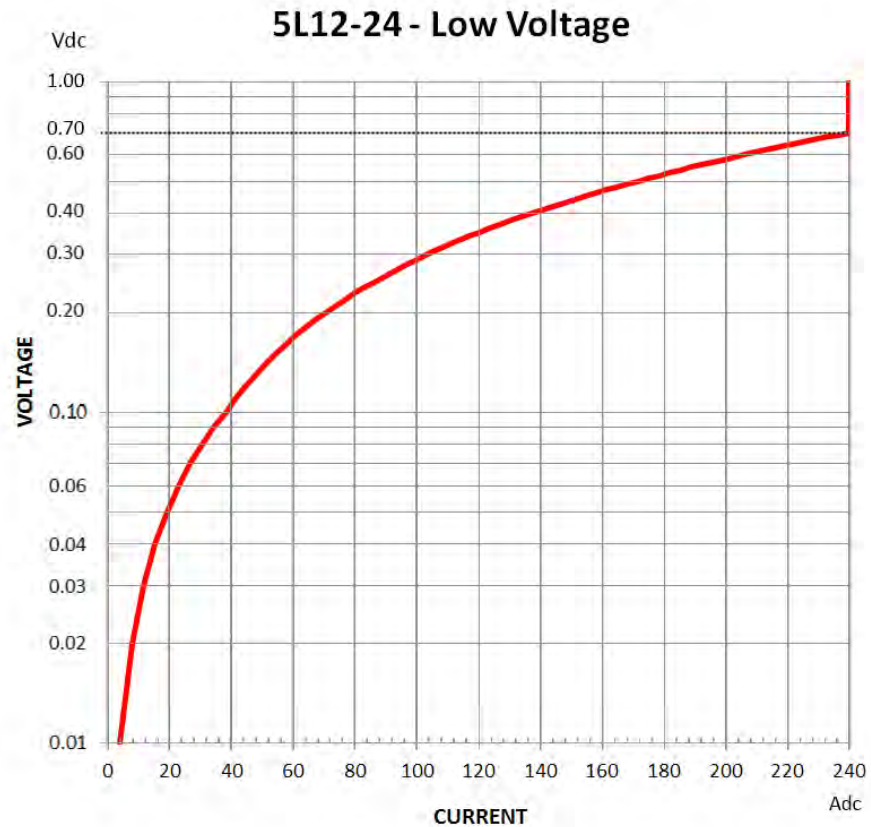
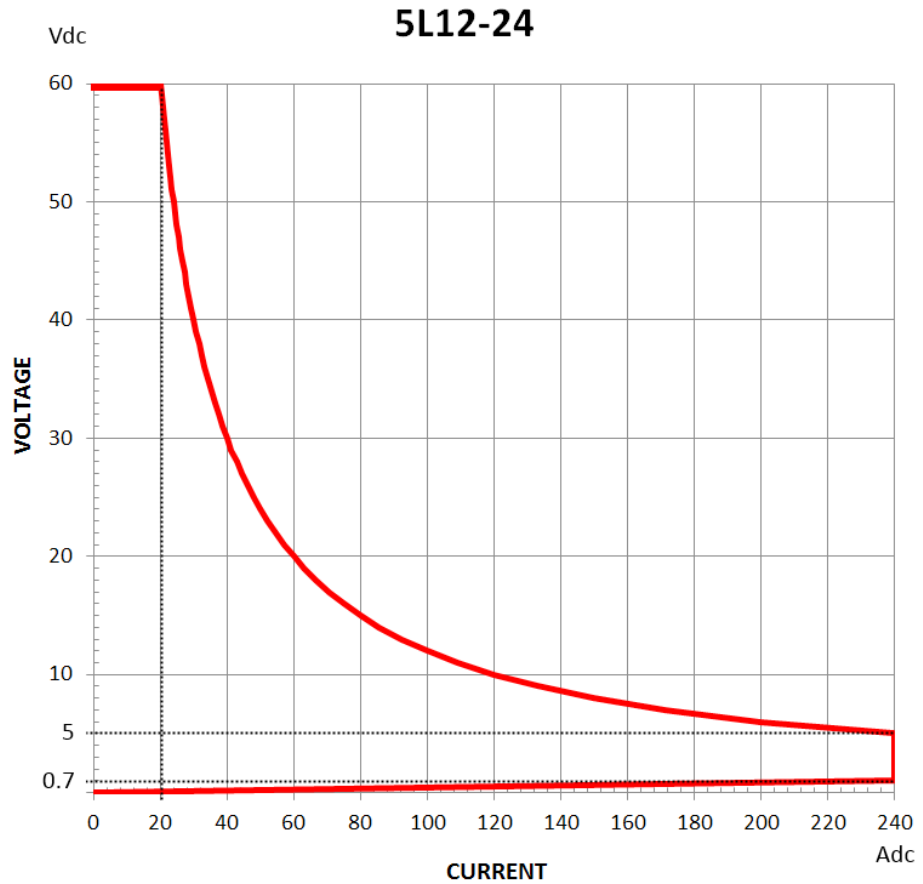


5L12-12 - Low Voltage



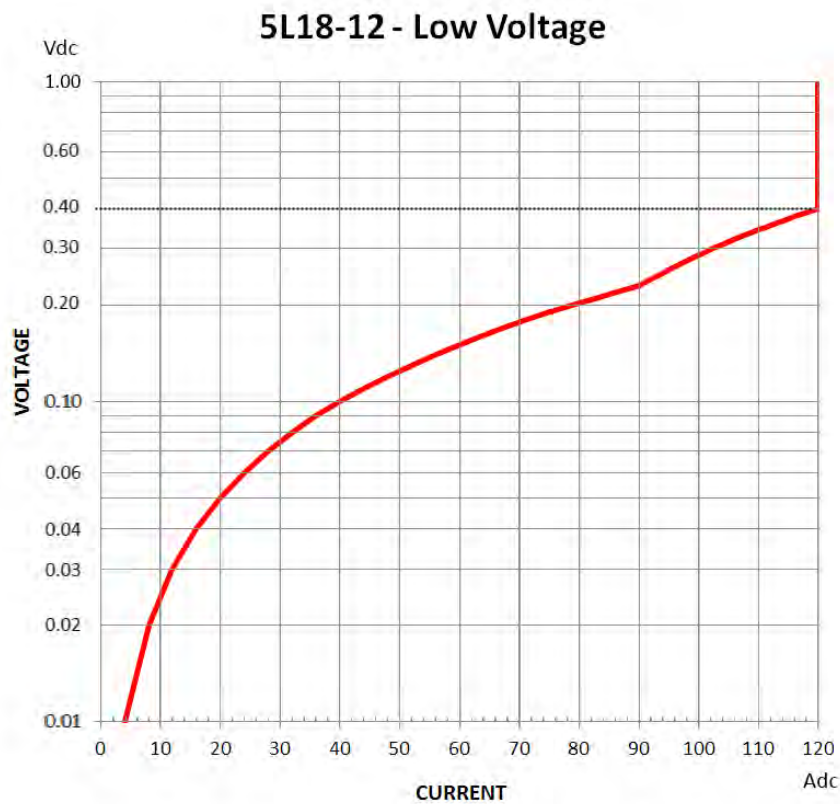
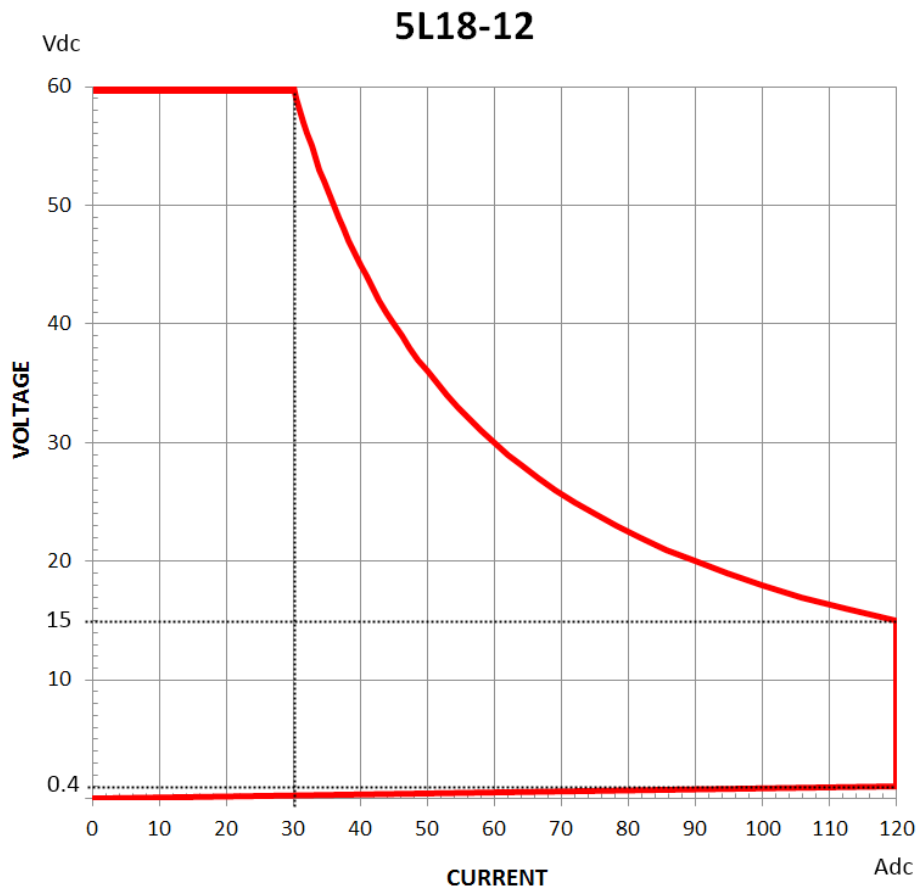
MODEL 5L12-24 RATING CHARTS

1200W, 60V, 240A



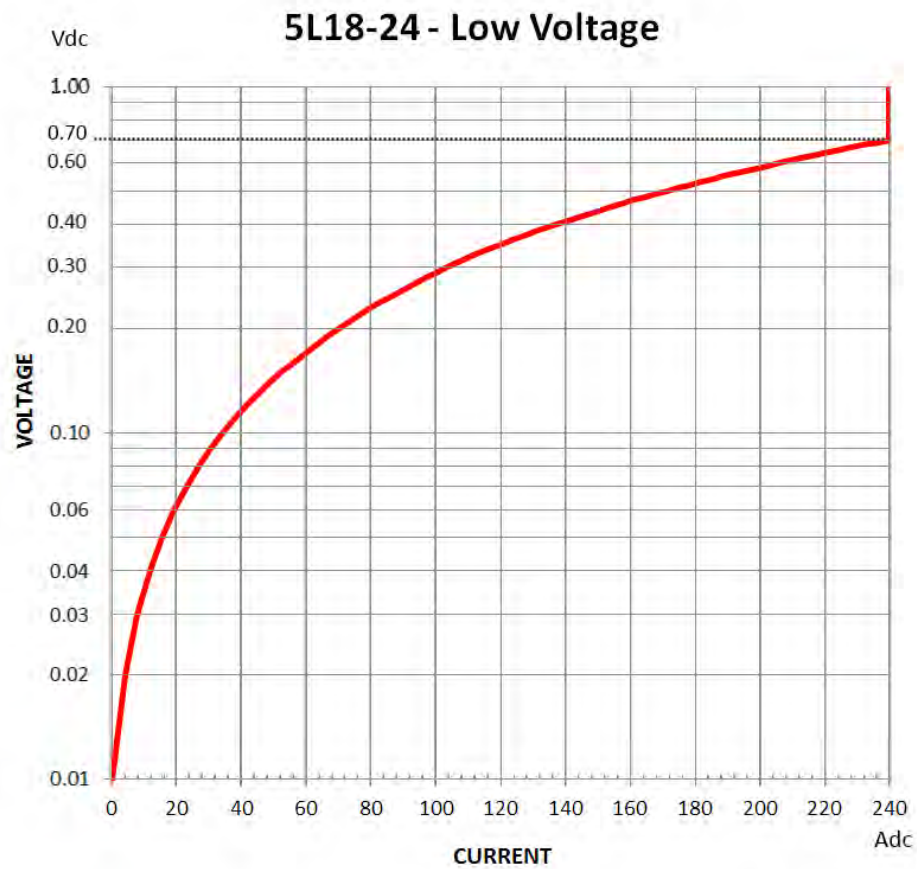
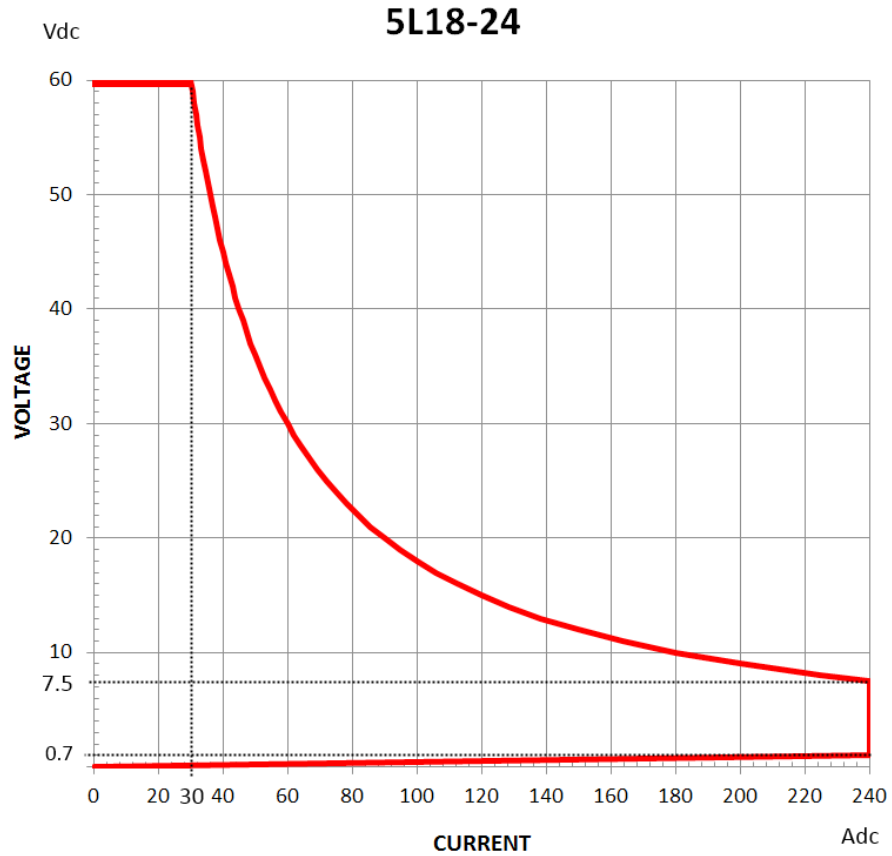
MODEL 5L18-12 RATING CHARTS

1800W, 60V, 120A



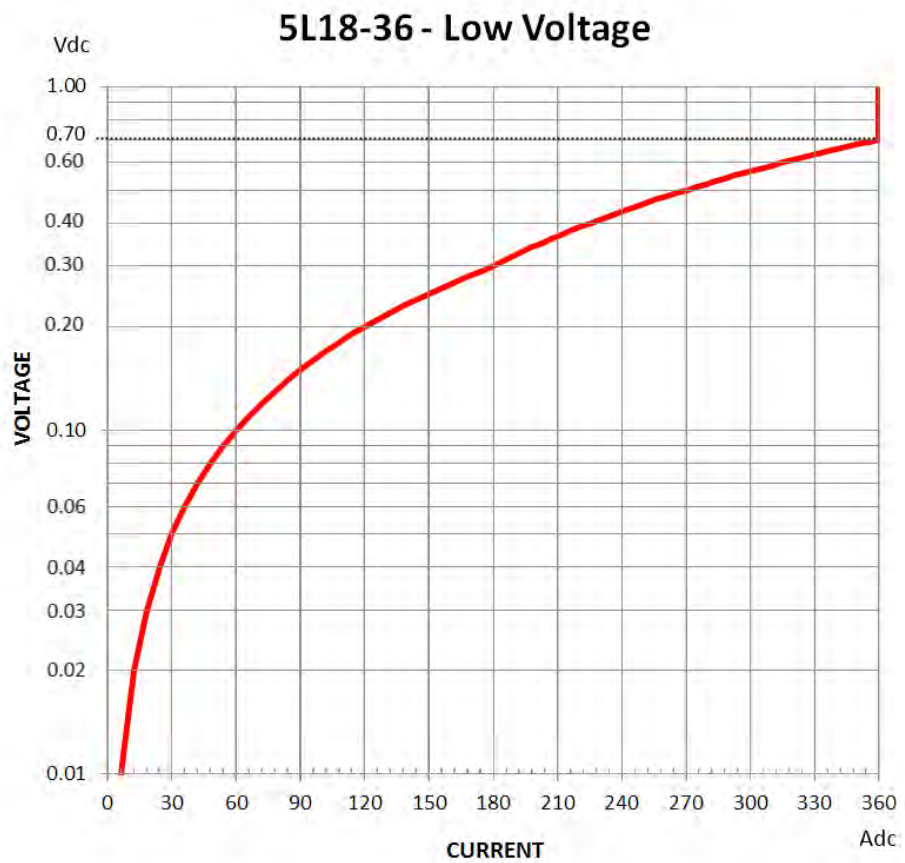
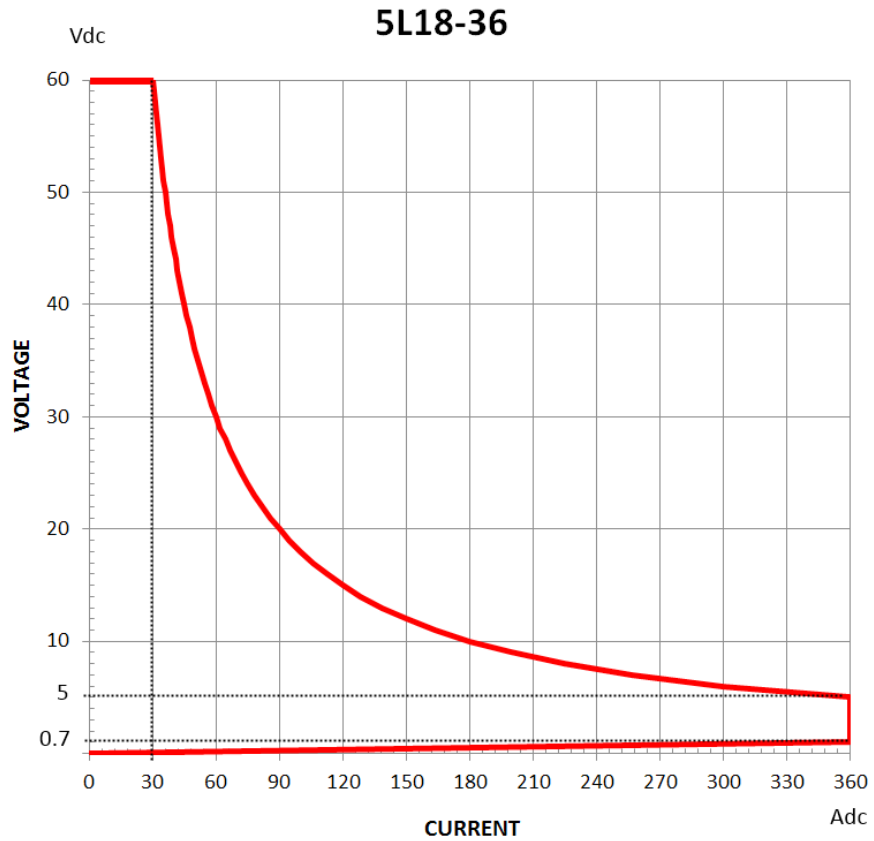
MODEL 5L18-24 RATING CHARTS

1800W, 60V, 240A



MODEL 5L18-36 RATING CHARTS

1800W, 60V, 360A



5L 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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