



## 5040 Model

1kJ/sec capacitor charging PSU 10kV-60kV module



### Specification Summary

High voltage modules capable of producing 2kW peak output at short intervals. Particularly suitable for capacitor charging applications and designed to operate from a wide range of dc input supply. Mains input can be discussed.

#### Specification

<b>Output Voltage</b>	Model illustrated is 50kV. Higher voltages if required. Both positive and negative polarities are available.
<b>Output Current</b>	Peak current is 40mA for the example shown.
<b>Duty Cycle</b>	The model above is designed for low duty cycle operation (<10%). Continuous operation with appropriate heatsinking can be provided.
<b>Input Voltage</b>	The unit is designed to operate from a DC source such as a battery pack. For 1kJ/sec 2kW pk operation, a 100-140VDC supply is required. (However, for 500J/sec 1kW pk, operation from 20-48V is available).
<b>Input Current</b>	Less than 25A maximum, depending on input voltage. (50A for low voltage use)

<b>Environment</b>	0 to 50°C ambient. Non-condensing atmosphere.
<b>Weight</b>	Model shown is 13kg
<b>Stability, Ripple, etc</b>	The unit is designed for capacitor charging with a maximum PRF of 100Hz. For CW operation, ripple and stability can be tailored to suit the customer's own specification.
<b>Control Interface</b>	Active low HV ON input. 0-10V HV and current limit programming, OC-TTL constant voltage/ current outputs, 0-10V HV and current monitor outputs.