



70820 and 71520 Model

8kV / 15kV, 20W DC input module



Specification Summary

The 70820 / 71520 are general purpose power supply modules. The power supplies are designed to produce a highly stable output, high efficiency and low ripple. The output voltage can be adjusted from 0 to 8kV / 0 to 15kV. They are capable of producing an output power of 20W.

General Specification

	70820	71520
Input Voltage	22VDC - 26VDC	22VDC - 26VDC
Input Current	Maximum 1.2A	Maximum 1.2A
Fuse	2.5A Anti-surge	2.5A Anti-surge
Efficiency	>75%	>75%
Output Voltage	8kV Adjustable	15kV Adjustable
Polarity	Negative	Negative
Stability	<0.1%	<0.1%
Ripple	<1%	<1%
Regulation	<0.1%	<0.1%
Maximum Output Power	20W	20W
Temperature Coefficient	<300ppm/°C	<300ppm/°C

Mechanical Specification

The power supply is enclosed in folded aluminium enclosure.

Width	133mm
Length	200mm
Height	42mm

Other Features

Voltage Monitor	0 to 10V for 0 to max. high voltage output.
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Protection

1. Overload, arcing and short-circuit. When one of these faults occurs and output current rises to about 1.5mA, the unit enters constant current mode.
2. Protection against reverse-polarity from power source.
3. Safety enable/inhibit input.