



CCM300 Range

High voltage capacitor charging power supply



Specification Summary

The CCM300 is a high voltage capacitor charging power supply. It has a stable output voltage, a control for precise adjustment and a fixed maximum output current limit. The power supply is designed to have a high tolerance to the noise generated by electrical discharge.

Input Specifications

Voltage Source	220Vac single phase (200 to 240Vac)
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Output Specifications

Power	300W
Output Voltage	1kV, 2kV, 5kV, 10kV, 20kV and 30kV models available. For other output voltages please contact the factory
Polarity	Positive or negative
HV Connector	Genvolt 30kV HV connector

Control

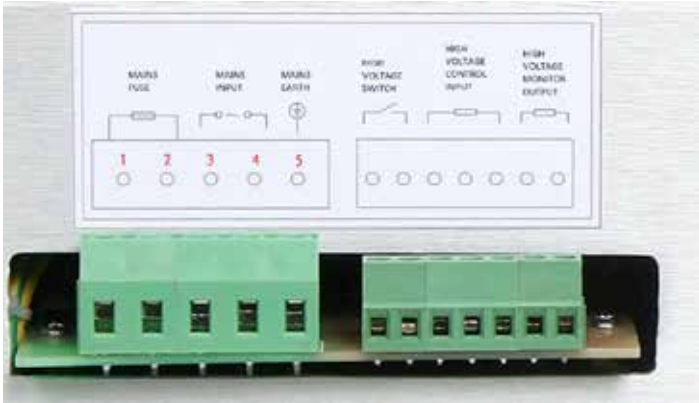
Voltage Program	0 to 10V in for 0 to maximum out, or potentiometer connection
Voltage Monitor	0 to 10V monitor output for 0 to maximum HV out
Charge Enable	Remote switch.

Environment

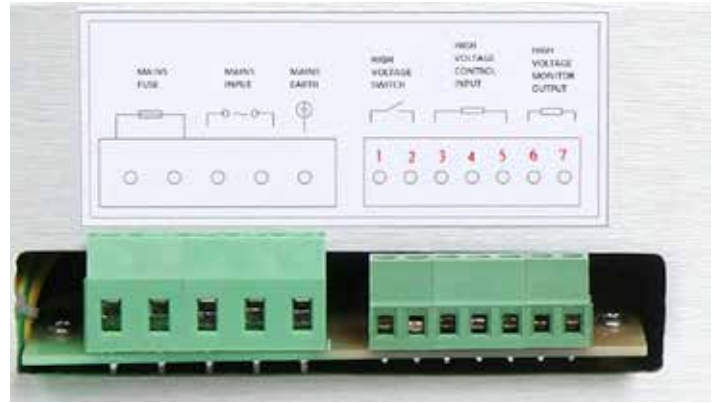
Operation Temperature	0°C to 40°C
Storage Temperature	-20°C to 60°C
Humidity	Less than 90%, non-condensing
Cooling	Natural air

Mechanical

Height	138.5mm
Depth	281.5mm
Width	213mm
Weight	2.6g



Connection Number	Description
1	Mains fuse connection 1
2	Mains fuse connection 2
3	Mains live wire input
4	Mains neutral wire input
5	Mains Earth wire input



Connection Number	Description
1	Remote HV switch (Close for HV off)
2	Remote HV switch (Close for HV off)
3	10V HV control reference
4	HV control input (0 to 10V for 0 to 25kV)
5	HV control ground
6	HV monitor output (0 to 10V for 0 to 25kV)
7	HV monitor ground



1: The red high voltage output cable is to be connected to the high voltage side of the load.

2: The white cable to be connected to the ground side of the load.

