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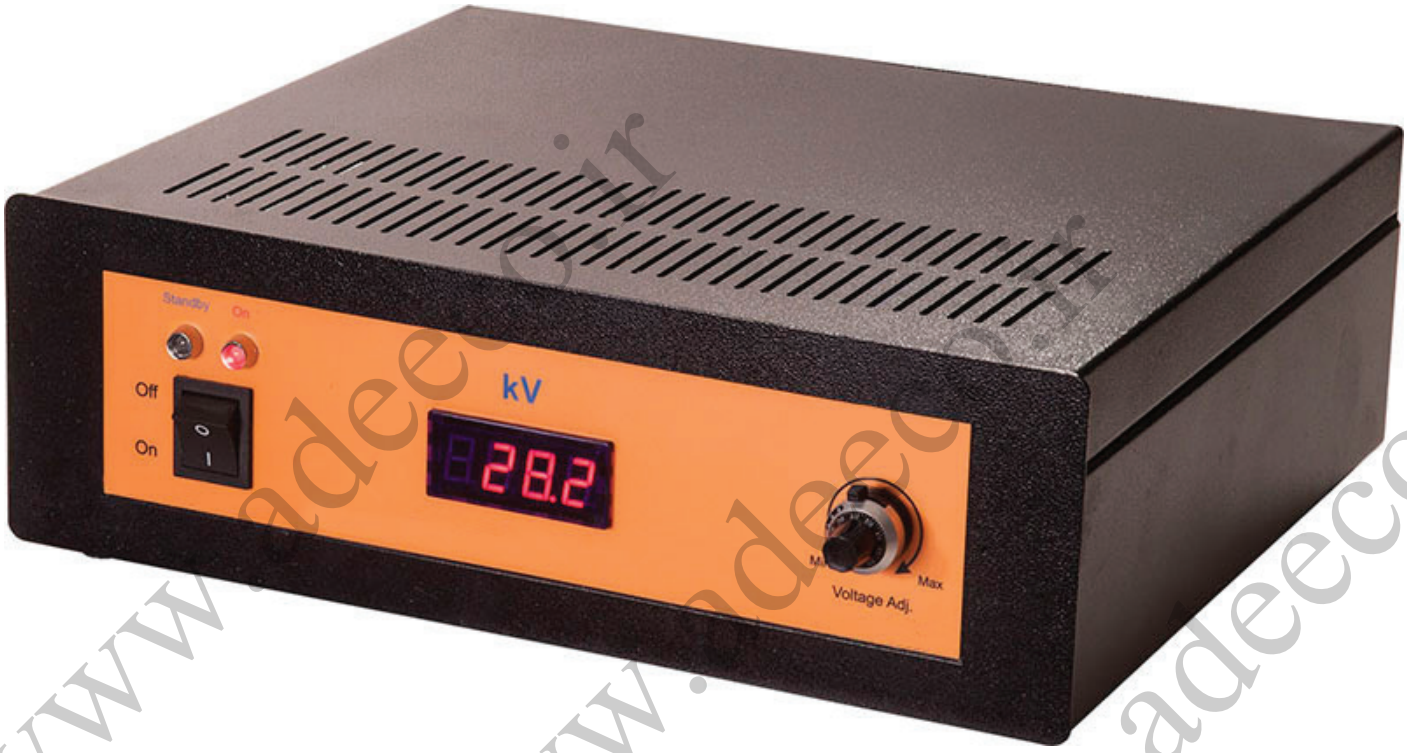
High Voltage Power Supply

Due to the high voltage suppliers' flexibility, they could be used in a wide range of application. They have various capabilities, the most important of which is PC connectivity and being programmable. These products are designed in a way that minimize the electric shock.



Models of high voltage supplier

- OV series only have output voltage indicator (Accuracy=0.1 kV).
- OC series have output high voltage indicator (Accuracy=0.1 kV) and output current display.
- D-RC series have a digital port by which the system is controlled.

Digital series consist of digital volume, voltage stabilizer, earth detection system, arc detection system, current limiter and digital screen to monitor the current and voltage. These systems are also equipped with a USB port for connecting to computers and a software for plotting the voltage and current graphs.

Application

- Capacitor testing
- Free electron laser
- Ion implantation
- Physical vapor deposition
- Capillary electrophoresis
- Electrospinning
- Ion beam assisted deposition
- Ion sources

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Specification								
Models	HV35P OV	HV35P OC	HV35P D-RC	HV50P OV	HV50P OC	HV50P D-RC	HV75P OV	HV75P OC
Voltage (V)	35	35	35	50	50	50	75	75
Voltage display	●	●	●	●	●	●	●	●
Current display		●			●			●
PC connectivity			●			●		

Capability

- Current control system: When current exceeds the value set by operator, voltage would be disconnected automatically (D- RC series)
- Controller: The USB ports control the voltage output.
- Software: Windows -based software (D- RC series)
- Input voltage: 180-240 V, Single-phase, 50-60 Hz
- Output voltage: Up to 100 kV
- Power: 35 and 70 W
- Temperature: -5 to 45 °C
- Polarity: Available either positive or negative
- Dimension: 11×30×34 cm , 11×30×38 cm