PhysHivolt | 30 kV DC Power Supply

HV Power

HV Display

HV Control

Overview

- Safe and reliable DC voltage source
- Output power of up to 20W at 30kV
- Overload and short circuit protection
- Digital voltage display

Applications

- Electrospinning and electrospraying
- High voltage for avalanche photodetectors
- Plasma generation

Description

PhysHivolt a DC high voltage supply with a user adjustable range of 0-25kV. It is designed to be used in electro-spinning, electro-spraying and other application where a static voltage or a low power source is required. The supply has been tuned for minimal electromagnetic noise, resistance against short circuit and tolerance against overloading.

Parts included :

- High voltage supply
- Power cords with earth connections
- Fixed length high voltage wire

220V → **Rectifier** → **DC** **Filter** → **Current Driver Circuit** → **Flyback Transformer** → **HV Output**

PWM

LED

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PHYSHIVOLT
26.1KV
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User Input

Photogate

HV Rectifier **Filter**

info@qosain.pk