

Boost Step-up Power Module High-Voltage Generator DC 3V-6V to 1000KV

The **Boost Step-up Power Module High-Voltage Generator DC 3V-6V to 1000KV** is a compact yet powerful module designed to generate extremely high voltage from a low DC input. This module is widely used in scientific experiments, DIY electronics, ignition projects, and educational demonstrations where controlled high-voltage output is required. With its ability to step up a small input voltage of **3V to 6V DC** into an impressive **up to 1000KV**, it serves as a versatile tool for hobbyists, students, and electronics enthusiasts.



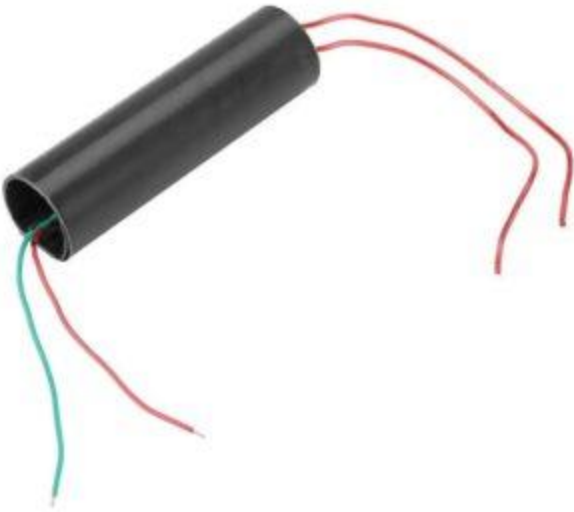
High-Voltage Step-Up Conversion

This **DC-DC high-voltage generator module** uses a specially designed circuit that can convert a low input voltage (from batteries or DC power supplies) into extremely high voltage. With an input range of **3V–6V**, the module can deliver up to **1000KV** output, making it suitable for high-voltage demonstrations and practical applications.

Compact and Lightweight Design

Despite its ability to generate extremely high voltage, the module is compact and lightweight, making it easy to integrate into projects. Its small form factor is especially useful for portable experiments, school demonstrations, and DIY builds where space-saving is a priority.

[caption id="attachment_107290" align="aligncenter" width="300"]



Boost Step-up Power Module High-voltage Generator

DC 3V-6V to 1000KV[/caption]

Key Applications

The **Boost Step-up Power Module High-Voltage Generator** has multiple uses, such as:

- **Scientific experiments** – Ideal for testing electrical discharge, sparks, and high-voltage demonstrations in physics classrooms or labs.

- **DIY ignition systems** – Can be used in ignition projects like lighters, spark generators, and combustion experiments.
- **Electrostatic experiments** – Perfect for experiments involving electrostatics and high-voltage phenomena.
- **Educational purposes** – Helps students understand high-voltage conversion and learn the principles of energy transformation.
- **Testing projects** – Useful for hobbyists working on experimental circuits involving high voltage.

Safe and Controlled Operation

While the module can produce extremely high voltages, it is designed for **low input current** applications, ensuring safer use for experiments. However, as with all high-voltage devices, proper precautions must be taken to avoid accidents. This module is not recommended for continuous or heavy-duty industrial applications but is perfect for small-scale educational and experimental purposes.

Technical Specifications

- **Input Voltage:** 3V – 6V DC
- **Input Current:** 2A – 5A (depending on load)
- **Output Voltage:** Up to 1000KV (depends on input and load conditions)
- **Type:** Boost Step-Up High Voltage Generator
- **Output Type:** High-voltage pulse output
- **Size:** Compact and lightweight for easy integration into projects

Easy Integration

The **Boost Step-up High-Voltage Module** can be powered by simple power sources like AA batteries, lithium batteries, or small DC supplies. Its compact design makes it easy to embed into DIY setups or science kits without requiring complicated wiring or heavy power supplies.

Benefits of Using This Module

1. **High Efficiency:** Converts low DC input into extremely high-voltage output efficiently.
2. **Compact Size:** Easy to integrate into small experimental projects and DIY builds.
3. **Educational Value:** Perfect for teaching and learning about high-voltage principles.
4. **Versatility:** Can be used for ignition, testing, electrostatics, and scientific demonstrations.
5. **Cost-Effective:** Offers high-voltage functionality at an affordable price.

Important Safety Notes

- Always handle with care, as the output can generate strong electric shocks.
- Avoid direct contact with output terminals during operation.

- Use for **educational and experimental purposes only** – not suitable for high-power industrial use.
- Keep away from children and flammable materials.

Why Choose This Boost Step-up High-Voltage Generator?

For hobbyists, students, and educators looking for a simple yet effective way to demonstrate high-voltage principles, this **Boost Step-up Power Module DC 3V-6V to 1000KV** is the ideal choice. It is portable, easy to use, and offers reliable high-voltage output for small-scale experiments and projects.

Whether you are building a spark generator, exploring ignition systems, or teaching high-voltage physics concepts, this module provides an affordable and efficient solution.