osi1613 Series

Rated voltage 1.7 kV, rated power 8.33 W



Product introduction

The osi1613 series is an intelligent modular high-voltage power supply. Fully digital control meets various customer control settings, while comprehensive fast voltage/current transient response helps ensure fault-free operation. The series is compact, fully featured, safe and reliable.

Product features

- Maximum output voltage 1.7 kV
- Maximum output power 8.33 W
- Digital programming
- Comprehensive overcurrent and arc protection
- RS-485 digital communication interface
- CE certification

Specifications

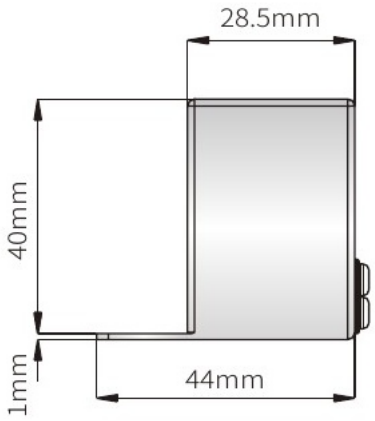
Parameter	Specification
Input	−15 VDC ±10%.
Output	Maximum 1.7 kV, 4.9 mA; each model provides positive or negative output.
Front-panel status indicators	Output, arc and function indicators.
Voltage/current control	Software settings provide constant-voltage/constant-current control.
Remote control	Standard RS-485 digital interface communicates with a host computer or other digital equipment.
Voltage regulation	Load: better than 0.01%, no load to rated load. Line: ±0.01% for ±10% input change.
Current regulation	Load: better than 0.01%, no load to rated load. Line: ±0.01% for ±10% input change.
Ripple	Better than 1% RMS at rated voltage.
Ambient temperature	Operating: 0°C to +50°C. Storage: −20°C to +80°C.
Temperature coefficient	Voltage and current: better than 100 ppm/°C.
Stability	Less than 0.1% per 8 hours after a 0.5-hour warm-up.
Humidity	10–90%, non-condensing.
Dimensions	44 mm wide, 41 mm high, 132 mm deep.
Weight	0.36 kg.
High-voltage cable	Built-in unshielded HV cable; standard length 0.2 m, outside diameter 3.8 mm; non-detachable.
Certification	CE certification.

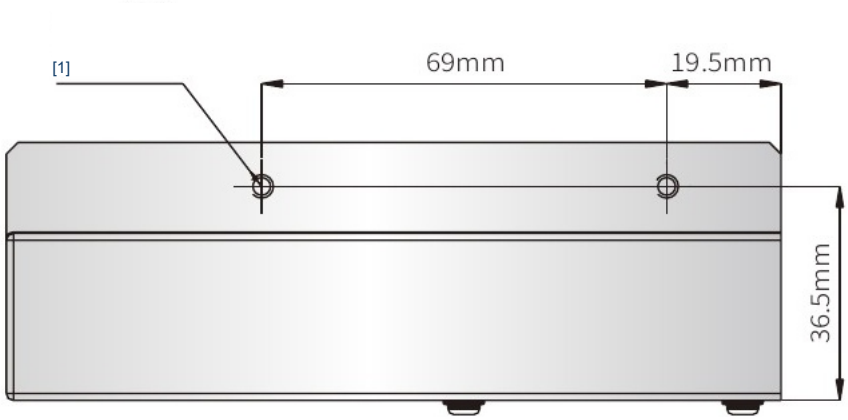
Typical applications

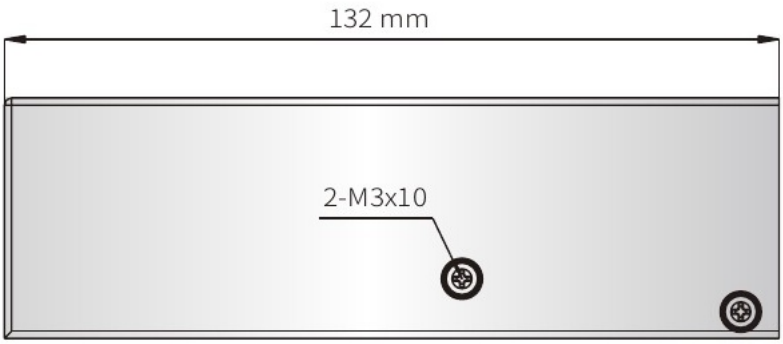
Power supply adapted for helium-neon lasers.

Outline dimensions

Dimensions in mm.







[1] 2 x M3 screws
Counterbored through holes