

PGL-FS Series Lasers



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The laser built-in cooling fan, no additional cooling is required. It is working at AC 85-264V wide voltage supply and made features of uniform power density, high straightness and good stability line beam.

The user can choose from IR, red, green, or blue wavelengths depending on the application and material to be inspected.

PGL-FS Series Lasers with its industrial-suited design and stable performance works perfectly in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

FEATURES

- Air cooling
- Wide voltage supply (85-264VAC)
- Optical output power up to 150mW
- Wavelengths from 405 – 1550nm
- Long lifetime
- Easy operating

APPLICATIONS

- Collimation
- Laser medical treatment
- Scientific experiment
- Optical instrument

SYSTEM SPECIFICATIONS*

Wavelength	nm	405	450	520	532	635-660	808	830-1550
Wavelength tolerance	nm (typical)	±5	±5	±5	±1	±5	±10	±10
Output power	mW	1-150	1-50	1-50	1-50	1-130	1-100	1-10
Line width	< 250mm	40-200um						
Line width	@1m	< 1.0 mm						
Line angles		7° 、 10° 、 15° 、 30° 、 45° 、 50° 、 60° 、 75° 、 90°						
Laser operation mode		CW						
Expected lifetime	hours	10,000						

ELECTRICAL SPECIFICATIONS

Operating voltage	AC 85-264V
Connection	DB9 serial port

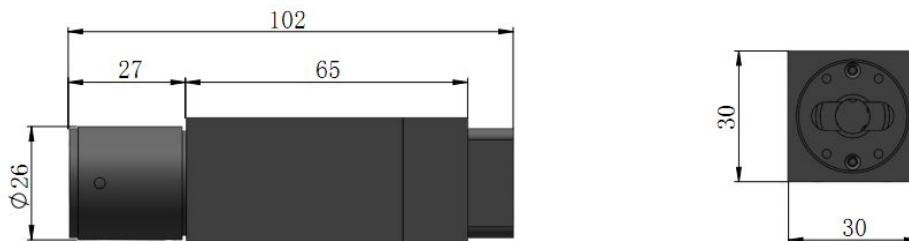
ENVIRONMENTAL CONDITIONS

Operating temperature	°C	10°C to 35°C
Storage temperature	°C	-20°C to +80°C
Humidity	%	< 90 %, non-condensing

MECHANICAL SPECIFICATIONS

Weight	g	192g
Length	mm	102mm
Diameter head Ø	mm	26 mm
Material		Aluminum

Dimensions of laser and PCB (mm):



KEYNOTES

*All testing data under the conditions of temperature 25°C.

POWER SUPPLY

Model	PN156
Input	85-264VAC
Temperature control method	Air cooling
Cable connector	DB9 serial port
Dimensions of power supply (mm):	

