PGL-VI-915

Diode infrared laser module at 915nm is made features of wide range temperature operating (without TEC), high reliability, and low cost, which made it be used widely in orientation, alignment and measurement, etc.

SYSTEM SPECIFICATIONS*

Wavelength	nm	915
Wavelength tolerance	nm	±10
Output power	mW	1-100
Operating mode		CW
Transverse mode		Near TEM$_{00}$
Beam diameter at the aperture(1/e^2)	mm	~3.5
Beam divergence, full angle	mrad	<1
Expected lifetime	hours	10000
Warranty	years	1

Focus adjustable laser is optional.

ELECTRICAL SPECIFICATIONS

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Operating voltage(internal PCB)	3VDC (TTL10kHz, optional)
Operating voltage(external PCB1)	5VDC(TTL30kHz or Analog0-3V,0-5V, optional)
Operating voltage(external PCB2)	5-12VDC(TTL30kHz and Analog 0-3V,0-5V, optional)
Connection	Cable with flying leads

ENVIRONMENTAL CONDITIONS

Operating temperature	0°C to 40°C
Storage temperature	-20°C to 80°C
Humidity	< 90 %, non-condensing
Dissipated heat	< 1W

MECHANICAL SPECIFICATIONS

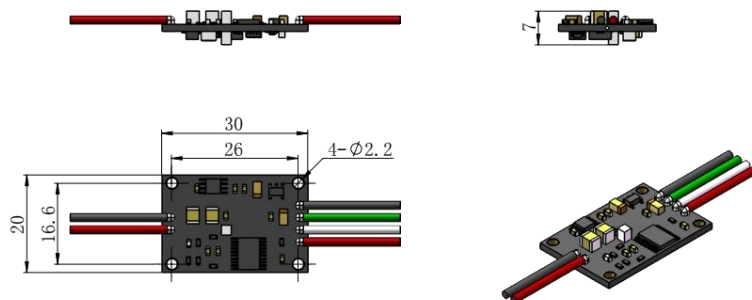|		
Laser head diameter Φ	mm	12
Length	mm	50
Material		Aluminum
Shell polarity		The housing is isolated.

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

Dimensions of laser(Internal PCB,Φ12×50mm^2,3VDC,TTL)
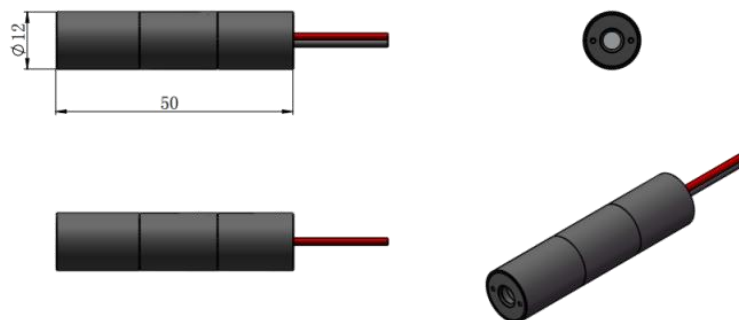
Dimensions of external PCB1(11×25mm^2,5VDC,TTL or Analog)
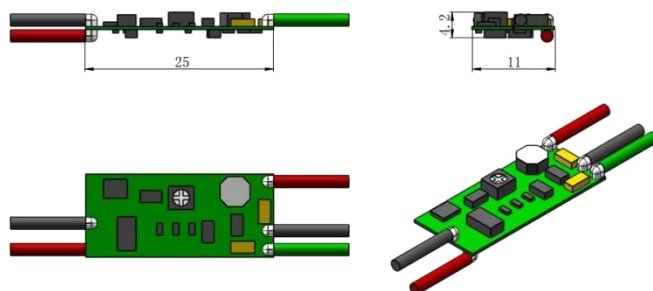
Dimensions of external PCB2(*wide voltage input range*,20×30mm^2 ,5-12VDC,TTL and Analog)
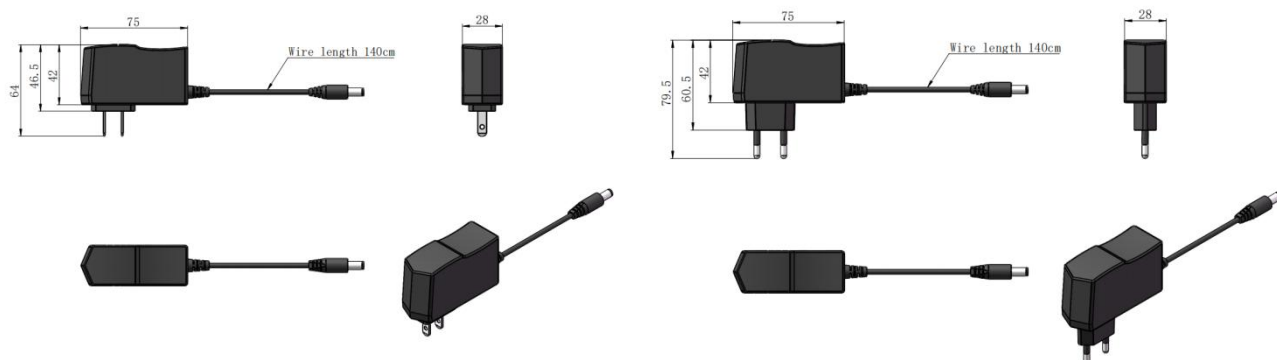
AD-3V 1A POWER ADAPTER

Input	100-240VAC 50-60Hz
Output	DC 3V 1A

Dimensions of power adapter (mm):

AD-5V 5A POWER ADAPTER

Input	85-264VAC 47/63Hz
Output	DC 5V 5A

Dimensions of power adapter (mm):
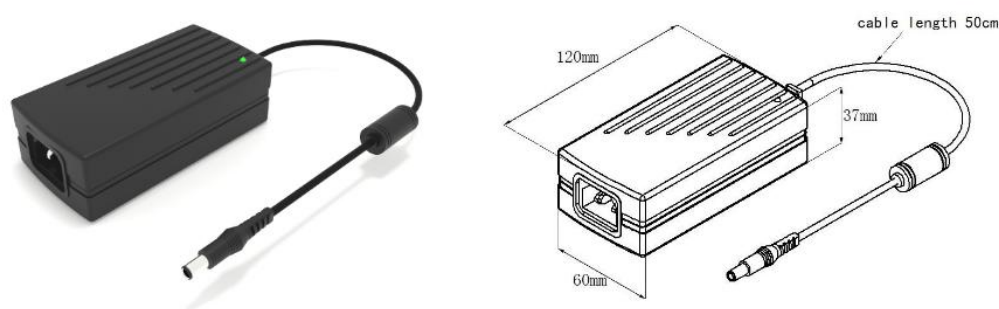
AD-12V 3.34A POWER ADAPTER

Input	100-240VAC 50/60Hz
Output	DC 12V 3.34A

Dimensions of power adapter (mm):
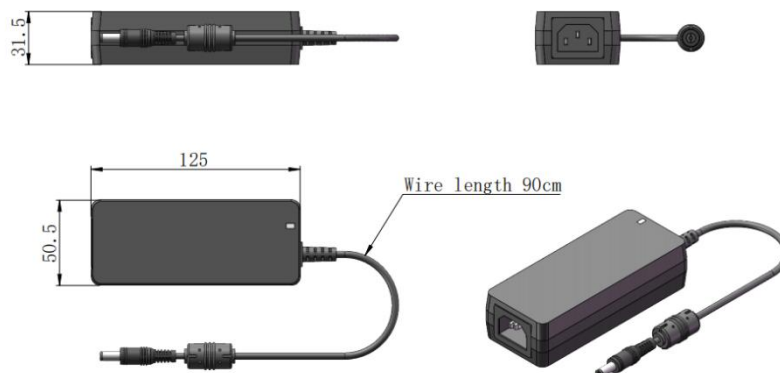
MODULE MOUNTING SPECIFICATIONS

Model type		MMU-12
Module mounting size	mm	30 x 25 x 18mm
Applicable models size Ø	mm	12mm
Through-hole Ø	mm	3mm
Through-hole distance	mm	25 x 18mm

Dimensions of module mounting (mm):