



MGL-V-532/1-10W



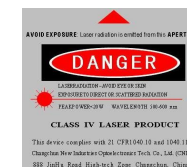
LD PUMPED ALL-SOLID-STATE
GREEN LASER

All solid state 532nm green laser is made features of good beam profile, ultra compact, long lifetime and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, laser display, etc.

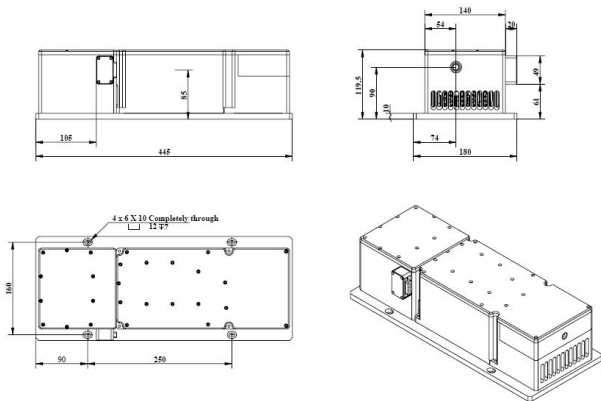
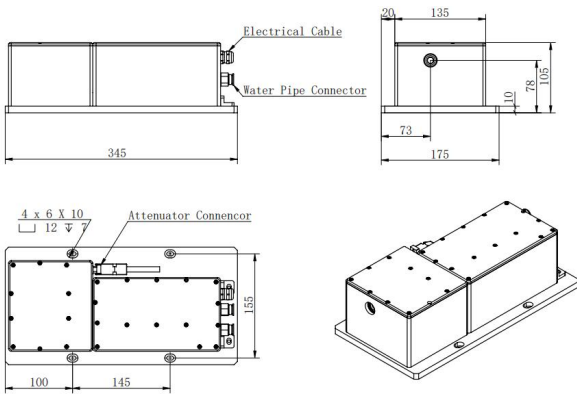
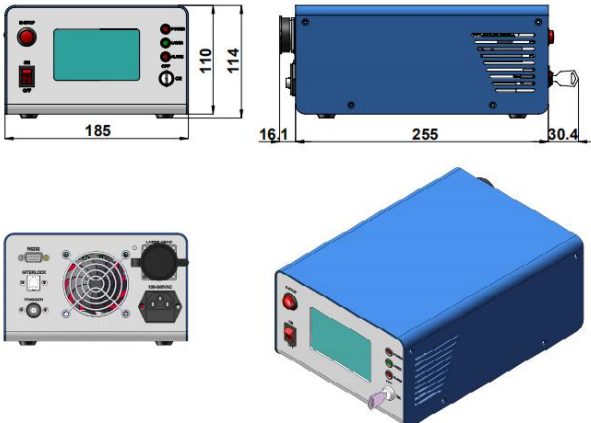
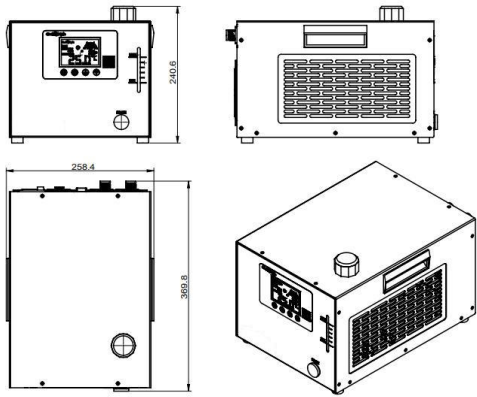


SPECIFICATIONS

Model	MGL-V-532A	MGL-V-532 ¹	MGL-V-532-Water
Wavelength (nm)	532±1		
Operating mode	CW		
Output power (W) ²	1-5	1- 10	1-10
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)		<2%, <1%, (<0.5% optional)
Transverse mode	TEM ₀₀		
M ²	<1.2		
Beam divergence, full angle (mrad)	~1.0		
Beam diameter at the aperture (1/e ² , mm)	~2.0		
Warm-up time (minutes)	<10		
Pointing Stability(urad) (over 2 hours after warm-up and ±3°C)	<50		
Pointing Stability Over Temperature (urad/°C)	<20		
Polarization ratio	>50:1(>100:1 optional), Horizontal(Vertical optional)		
Beam height from base plate (mm)	85	80	68
Cooled method	Air Cooled		Water Cooled
Operating temperature (°C)	10-35		
Power supply (100-240VAC)	PSU-W-LED		
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional		
Expected lifetime (hours)	>10000		
Options	(1) Linear power regulation 0-100% with constant beam quality. Part number: MGL-V-532-HQ/MGL-V-532-Water-HQ. (2) Repetition rate up to 2MHz. Part number: MGL-V-532-AOM/MGL-V-532-Water-AOM.		



LASER HEAD (MGL-V-532A)	LASER HEAD (MGL-V-532)	LASER HEAD (MGL-V-532-Water)
 270 (L) × 140 (W) × 112 (H) mm ³ , 2.4 kg	 335 (L) × 140 (W) × 110 (H) mm ³ , 6.2 kg	 245 (L) × 110 (W) × 95 (H) mm ³ , 3.8 kg

LASER HEAD (MGL-V-532-HQ)	LASER HEAD (MGL-V-532-Water-HQ)
 445 (L) × 180 (W) × 119.5 (H) mm³	 345 (L) × 175 (W) × 105 (H) mm³
POWER SUPPLY (PSU-W-LED)	WATER CHILLER (WCH-580)
 301.5 (L) × 185 (W) × 114 (H) mm³, 3.0 kg	 369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg

1 Noise of amplitude (rms, 20Hz-20MHz) of MGL-V-532: <1% (optional)

2 Any power level can be selected in this range.

Website: <http://www.cnilaser.com> E-mail: sales@cnilaser.com Tel: +86-431-85603799 Fax: +86-431-89216068