



MGL-K-532/ 1-30W



GREEN LASER AT 532nm

MGL-K DPSS laser for Ti:Sa pumping up to 30W, continuous output, TEM00 beam profile, high stabilized.

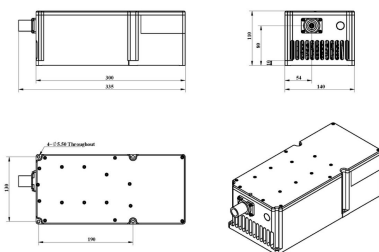


SPECIFICATIONS

Model	MGL-K-532 ¹	MGL-K-532-Water	MGL-K-532-OEM
Wavelength (nm)	532±1		
Operating mode	CW		
Output power (W) ²	1-15	5-15	15-30
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)	<1%, <0.5%, (<0.3% optional)	<2%<1%, (<0.5% optional)
Transverse mode	TEM00		
Spectral linewidth (nm)	<0.1		
M ²	<1.1		
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)	80	68	30
Cooled method	Air Cooled	Water Cooled	Conduction
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional		
Operating temperature (°C)	10-35		25
Power supply (100-240VAC)	PSU-W-LED		PSU-AOM
Expected lifetime (hours)	>10000		

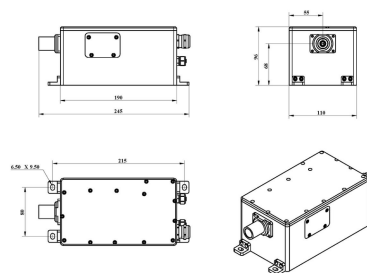


LASER HEAD (MGL-K-532)



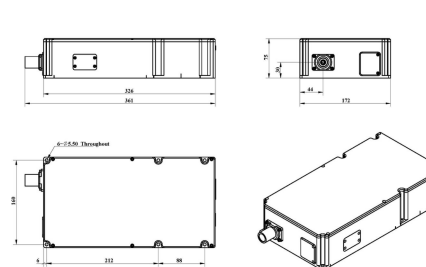
335 (L) × 140 (W) × 110 (H) mm³, 6.2 kg

LASER HEAD (MGL-K-532-Water)



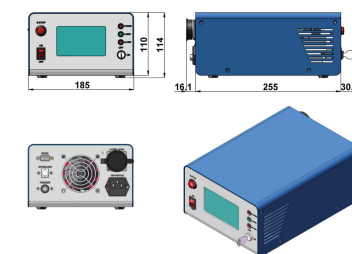
245 (L) × 110 (W) × 96 (H) mm³, 4.2 kg

LASER HEAD (MGL-K-532-OEM)³

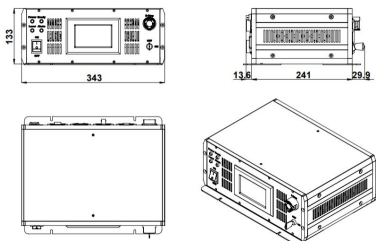
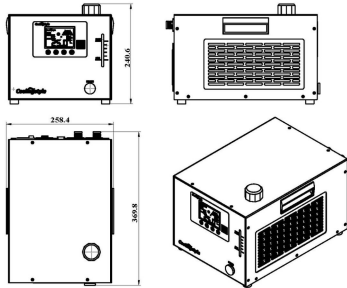
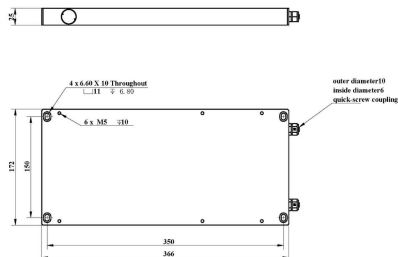


361 (L) × 172 (W) × 75 (H) mm³, 12.4 kg

POWER SUPPLY (PSU-W-LED)



301.5 (L) × 185 (W) × 114 (H) mm³, 3.0 kg

POWER SUPPLY (PSU-AOM)	WATER CHILLER (WCH-580)	ACCESSORIES (WATER-COOLED PANELS)
 343(L) × 284.5 (W) × 133 (H) mm³, 9.42kg	 369.8 (L) × 258.4 (W) × 240.6 (H) mm³, 10.5 kg	 366 (L) × 172 (W) × 25(H) mm³

- 1 Noise of amplitude(rms,20Hz-20MHz) of MGL-K-532: <1% (optional)
- 2 Any power level can be selected in this range.
- 3 The laser head needs to be used on a heat sink with 320 W heat dissipation.