

# High Power Laser

## Specifications

<b>Model Number</b>	<b>HP-B442/445/448/450-2000-QN</b>
<b>Optical Specifications</b>	
Wavelength	442/445/448/450 nm
Center Wavelength Deviation	+/- 1 nm
Output Power	200 ~ 2000 mW
Longitudinal Mode	Multi
Transverse Mode	Near TEM00
Power Stability (over 4 hours) (rms)	< 5 % (optional: < 1 %, < 3 %)
Operating Mode	CW
Polarization Ratio	> 100:1
Beam Waist	< 4 mm
Spectral Linewidth	~ 2 nm
Beam Divergence (Full Angle)	< 1.0 mrad
Warm-up time	< 6 minutes
Pointing Stability after Warm-up	< 0.05
Working Temperature	0 to 40 ° C
Cooling Mode	TEC / FANS
Estimated Lifetime (MTTF)	10000 hours
Warranty Time	1 year
<b>Mechanical Specifications</b>	
Dimension of Laser Head	140 (L) x 78 (W) x 62 (H) mm
Dimension of Power Supply	164 (L) x 164 (W) x 83 (H) mm
Dimensional Tolerances	+/- 1 mm