



**FL-507-SF/1~500mW**

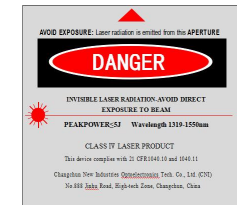
**SINGLE FREQUENCY MODE  
FIBER LASER AT 507 nm**

All polarization fiber single frequency mode high power laser at 507nm is consisting of the seed laser and an amplifier optimized for low noise operation and application demanding more optical power, which has been designed for operation in laser cooling trapping, optical lattice, pump laser for OPO, Ti:Sapphire, Biomedical, Fundamental light for UV laser, etc.



**SPECIFICATIONS**

Wavelength (nm)	507±1		
Operating mode	CW		
Free space output power (mW)	100	200	500
Fiber coupled output power (mW)	50	100	250
Power stability (rms, over 4 hours)	<2%, <1%		
Transverse mode	TEM <sub>00</sub>		
Spectral linewidth (KHz)	<40		
M <sup>2</sup> factor	<1.2		
Polarization ratio(dB)	>15		
Warm-up time (minutes)	<30		
Operating temperature (°C)	15~30		
Power supply (V AC)	AC 220		
Expected lifetime (hours)	10000		
Warranty	1 year		
Options	RS 232/485 interface		



FL-507-SF	Second harmonic(Free space)	Second harmonic(Fiber coupled)	Free space
<p><b>452(L)×483(W) ×133(H) mm<sup>3</sup> 10kg</b></p>	<p><b>284(L)×118(W) ×40.5(H) mm<sup>3</sup> 1kg</b></p>	<p><b>318(L)×118(W) ×40.5(H) mm<sup>3</sup> 1.1kg</b></p>	