



FL-509-SF/1~1000mW

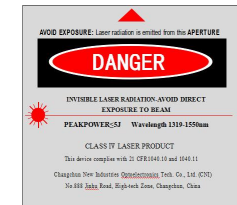
**SINGLE FREQUENCY MODE
FIBER LASER AT 509 nm**

All polarization fiber single frequency mode high power laser at 509nm 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)	509±1		
Operating mode	CW		
Free space output power (mW)	100	500	1000
Fiber coupled output power (mW)	50	250	500
Power stability (rms, over 4 hours)	<2%, <1%		
Transverse mode	TEM ₀₀		
Spectral linewidth (KHz)	<40		
M ² 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-509-SF	Second harmonic(Free space)	Second harmonic(Fiber coupled)	Free space
<p style="text-align: center;">452(L)×483(W) ×133(H) mm³ 10kg</p>	<p style="text-align: center;">284(L)×118(W) ×40.5(H) mm³ 1kg</p>	<p style="text-align: center;">318(L)×118(W) ×40.5(H) mm³ 1.1kg</p>	