



FL-509-SF/1~500mW

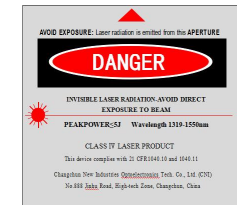
**SINGLE FREQUENCY MODE
FIBER LASER AT 509 nm**

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

	Free space		Fiber coupled	
Wavelength (nm)	509±1			
Operating mode	CW			
Output power (mW)	1~200	200~500	1~100	100~250
Power stability (rms, over 4 hours)	<1%, <2%			
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)
<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>