



**FL-633-SF/1~1000mW**

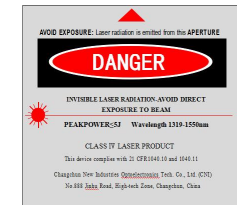
**SINGLE FREQUENCY MODE  
FIBER LASER AT 633 nm**

All polarization fiber single frequency mode high power laser at 633nm 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 Quantum simulation, Quantum degenerate gas, Laser Spectroscopy, Gases detection, etc.



**SPECIFICATIONS**

Wavelength (nm)	633±1			
Operating mode	CW			
Free space Output power (mW)	1~100	100~200	200~500	500~1000
Fiber coupled output power (mW)	1~50	50~100	100~200	200~500
Power stability (rms, over 4 hours)	<1%			
Transverse mode	TEM <sub>00</sub>			
Spectral linewidth (KHz)	<20			
Frequency shift (MHz)	<100@1hour			
M <sup>2</sup> factor	<1.1			
Polarization ratio(dB)	>15			
Warm-up time (minutes)	<30			
Operating temperature (°C)	15~30			
Power supply (V AC)	220			
Expected lifetime (hours)	10000			
Warranty	1 year			
Options	RS 232/485 interface			



Free space		Fiber coupled
FL-633-SF	Second harmonic	FL-633-SF
483(L)×452(W)×133(H) mm <sup>3</sup> , 10 kg	303(L)×115(W)×40.5(H) mm <sup>3</sup> 1kg	483(L)×452(W)×133(H) mm <sup>3</sup> , 10 kg