



FL-1550-SF/1~10W

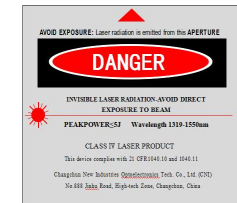
**SINGLE FREQUENCY MODE
FIBER LASER AT 1550 nm**

All polarization fiber single frequency mode high power laser at 1550nm 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 acoustic and seismic sensing, optical communication, LIDAR, pump laser for frequency double, interferometry, etc.



SPECIFICATIONS

	I		II
Wavelength (nm)	1550 ± 1		
Operating mode	CW		
Output power (mW)	10~500	500~1000	1000~5000
Power stability (rms, over 4 hours)	<1%, <2%		
Transverse mode	TEM ₀₀		
Longitudinal mode	Single		
Spectral linewidth (KHz)	<100	<2000	<10
M ² factor	<1.2		
Beam Delivery Optics	FC/APC		
Polarization ratio(dB)	Random / >15	Random	Random / >15
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	75		71
Operating temperature (°C)	15~35		
Power supply	DC 12V		AC 220V
Expected lifetime (hours)	10000		
Warranty	1 year		
Options	RS 232/485 interface		



FL-1550-SF		
FL-1550-SF-I(<10mW)	FL-1550-SF-I(<2W)	FL-1550-SF-II(>2W)
<p>128(L)×69(W) ×24.2(H) mm³, 0.95kg</p>	<p>280(L)×224(W) ×95(H) mm³, 2.5kg</p>	<p>483(L)×452(W) ×133(H) mm³ 10kg</p>