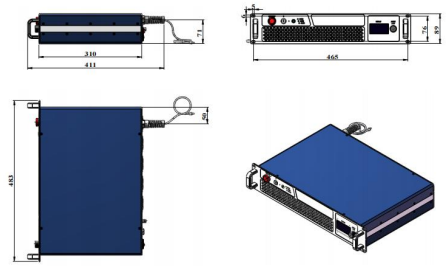
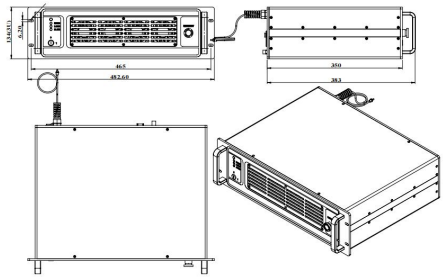
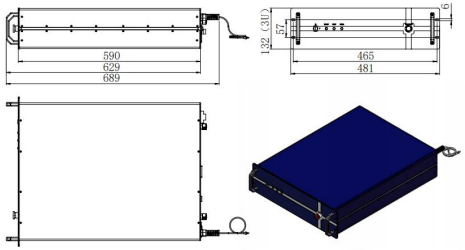
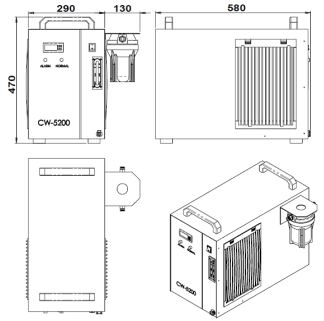
FL-1940-CW/1-100W

HIGH POWER ALL FIBER CW LASER

High power all fiber CW laser at 1940nm is made features of ultra compact, long lifetime, low cost and easy operating, which is widely used in pump for medical surgery, plastic welding, cutting, non-metal materials processing, IR pumping source, etc.

SPECIFICATIONS

Wavelength (nm)	1940±1	
Operating mode	CW	
Output power (W)[1]	1-100	
Power stability (rms, 4 hours ±3℃)	<2%, <1%, <0.5%	
Spectral linewidth (nm)	<2nm	
M^2	<1.5	
Fiber connector	Collimator	
Fiber length(m)[2]	1	
Fiber jacket	PVC, Metal optional	
Beam diameter (mm)[3]	~7mm (Collimator outptut)	
Polarization ratio	Random	
Cooled method	Air cooled (≤30W)	Water cooled (>30W)
Warm-up time (minutes)	<15	
Cooled method	Air cooled or water cooled	
Operating temperature (℃)	15-35	
Operating voltage (VAC)	110/220VAC	
Expected lifetime (hours)	>10000	

DIMENSION			WATER CHILLER (WCH-1500)
FL-1940-CW-I[4]	FL-1940-CW-II[5]	FL-1940-CW-III[6]	
			
483(L)×411(W) ×89(H) mm³, 8kg	**383(L)×483(W) ×134(H) mm³, 20kg**	**689(L)×481(W) ×132(H) mm³, 30kg**	**580(L) ×290(W) ×470(H) mm³, 24 kg**

1 Output power adjustable 10-100%. 2 Other lengths are available on request. 3 Other beam diameter can be customized. 4 Output power is 1-10W and air cooled.
5 Output power is 10-80W and air cooled. 6 Output power is 80-100W and water cooled.

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