长春新产业光电技术有限公司
Changchun New Industries Optoelectronics Tech. Co.,Ltd.
DATA SHEET

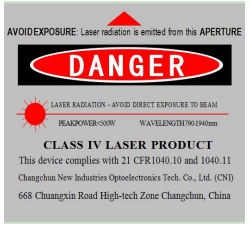
FC-W-878.6/20-200W

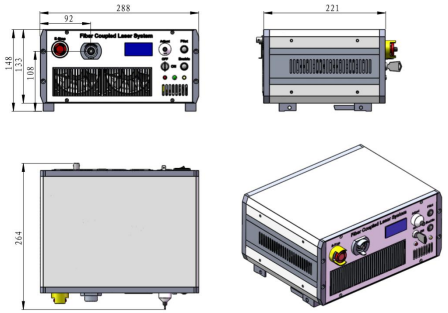
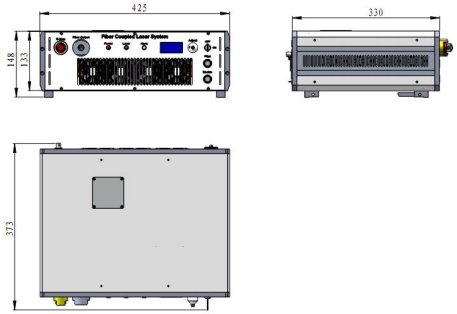
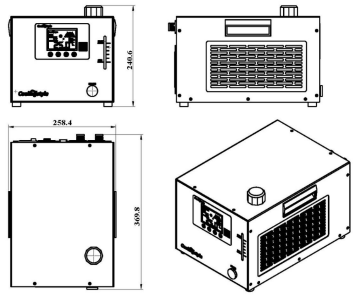
HIGH POWER FIBER COUPLING DIODE LASER SYSTEM AT 878.6 nm

The FC-W-878.6 series (Fiber Coupling Laser System) have integrated laser diode, fiber coupling optics, laser power supply, LD current and temperature control in ONE box. Its compact dimension and convenient functions, such as power adjustment, temperature control, LED display etc, make it very suitable for pumping, scientific research, industrial and medical applications.

SPECIFICATIONS

Model	FC-W-878.6	FC-W-878.6H	FC-W-878.6H-Water
Wavelength (nm)	878.6		
Operating mode	CW		
After fiber output power (W)[1]	20-50	50-150	200
Power Stability (rms, 4 hours ± 3°C)	<2%, <1%, (<0.5% optional)		
Red pilot light	Available on request		
Fiber core diameter	400um, 0.22 NA		
Fiber connector	SMA905, FC/PC optional		
Fiber length[2]	2m		
Fiber Jacket	Metal, PVC optional		
LED display	Diode current		
Operating temperature (°C)	10-40		
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional; TTL and Analog optional		
Operating voltage (VAC)	100-240		
Cooled method	Air cooled		Water Cooled
Dimensions(mm³)	288 (L)×264 (W)×148 (H)	425(L)×373(W)×148 (H)	On request
Expected lifetime (hours)	>10000		



DIMENSION (FC-W-878.6)	DIMENSION (FC-W-878.6H)	WATER CHILLER (WCH-580)-(200W)
		
288 (L) ×264 (W) ×148 (H) mm³, 7.1 kg	**425 (L) ×373 (W) ×148 (H) mm³, 14.4 kg**	**369.8 (L) ×258.4 (W) ×240.6 (H) mm³, 10.5 kg**

1 Any power level can be selected in this range.

2 Other lengths are available on request.

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