



MBL-S-xxx-SM Series



SM FIBER OUTPUT LASER

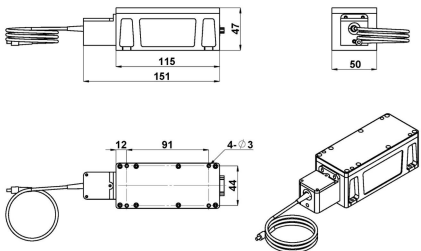
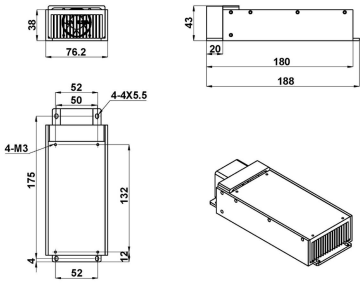
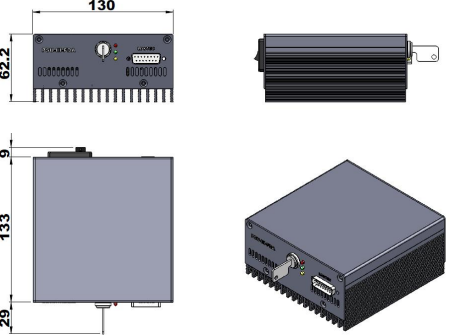
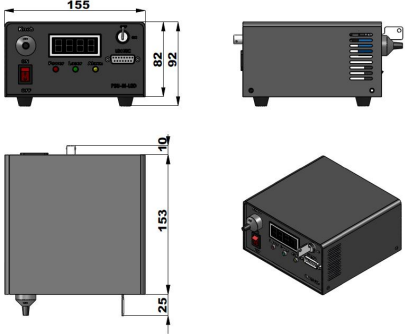
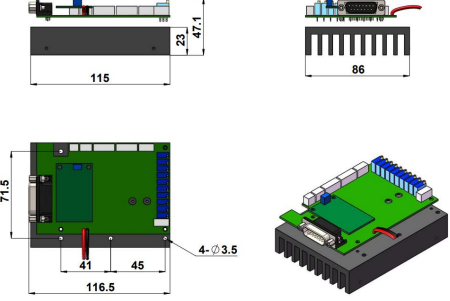
CNI has extensive experience in delivering highly efficient and stable fiber-coupled laser sources. We offer fiber coupling systems for all types of lasers. Our single-mode (including PM) fiber-coupled lasers are specifically designed to deliver high power stability and long-term operational reliability.



SPECIFICATIONS

Wavelength (nm)	473±1
Operating mode	CW
Output power (mW) ¹	1-50
Power stability (rms, 4 hours ±3°C)	<3%, <2%
Transverse mode	TEM ₀₀ (single mode fiber output)
M ²	<1.2
Fiber numerical aperture	0.10-0.12
Fiber type	SM fiber (PM fiber optional)
Fiber connector	FC/APC
Fiber jacket	PVC (black)
Fiber length ²	1m
Polarization (optional)	>50:1 after PM fiber
Warm-up time (minutes)	<10
Operating temperature (°C)	10-35
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional
Power supply (100-240VAC)	PSU-III-FDA/PSU-III-LED
Power supply (5VDC)	PSU-A-F-OEM (5V/5A)
Expected lifetime (hours)	>10000



LASER HEAD ³	HEATSINK (optional TC-04-FS)	POWER SUPPLY (PSU-III-FDA) ⁴
 151 (L) × 50 (W) × 47 (H) mm³, 0.7kg	 188(L)×76.2(W)×43(H) mm³, 0.65kg	 171 (L) × 130 (W) × 62.2 (H) mm³, 1.2kg
POWER SUPPLY (PSU-III-LED) ⁵	DRIVER (PSU-A-F-OEM) ⁵	
 188(L) × 155(W) × 92 (H) mm³, 1.5kg	 115(L)×86(W)×47.1(H)mm3, 0.5kg	

1 Any power level can be selected in this range.

2 Other lengths are available on request.

3 The laser head needs to be used on a heat sink with good heat dissipation.

4 Fixed output power.

5 Output power adjustable 10-100%.