



MRL-S-xxx-SM Series



SM FIBER OUTPUT LASER

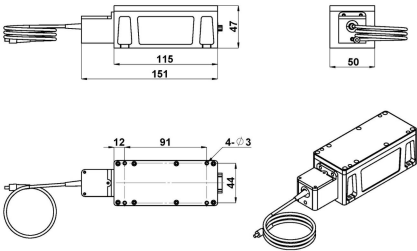
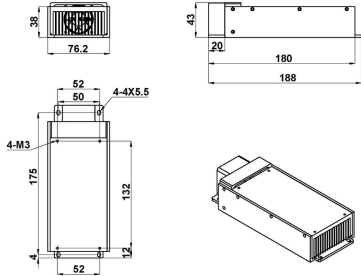
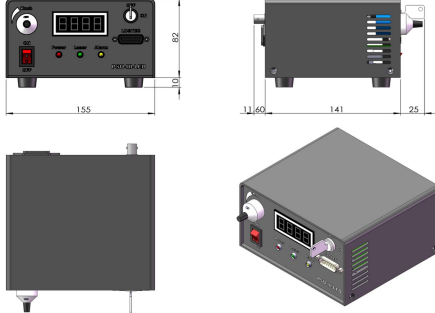
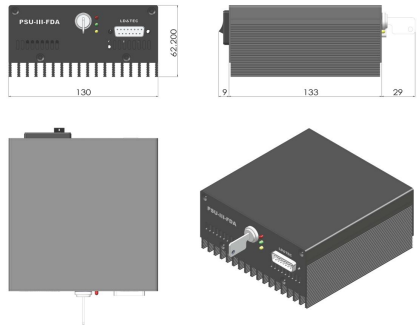
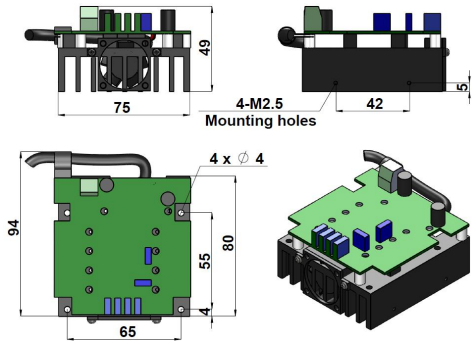
CNI has a long experience in the delivery of fiber coupled laser light sources providing high efficiency and long term stability. All laser types can be offered with appropriate fiber coupling systems. This type is specifically designed for single-mode fiber(include PM) coupling with high power stability and long term stability.



SPECIFICATIONS

Wavelength (nm)	671±1	
Operating mode	CW	
Output power (mW) ¹	1-50	50-100
Power stability (rms, 4 hours±3°C)	<3%, <2%, <1%	<3%, <2%
Transverse mode	TEM ₀₀ (single mode fiber output)	
Fiber numerical aperture	0.10-0.12	
Fiber type	SM fiber (PM fiber optional)	
Fiber connector	FC/APC	
Fiber jacket	PVC (black)	
Polarization (optional)	>50:1 after PM fiber	
Warm-up time (minutes)	<10	
Operating temperature (°C)	10-35	
Power supply (90-264VAC)	PSU-III-LED/ PSU-III-FDA	
Operating voltage(VDC)	PSU-III-OEM-97(5V/5A)	
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	>10000	



LASER HEAD ²	HEATSINK (optional TC-04-FS)	POWER SUPPLY (PSU-III-LED) ³
 151 (L) × 50 (W) × 47 (H) mm³, 0.7kg	 188(L)×76.2(W)×43(H) mm³, 0.65 kg	 177.6(L) × 155(W) × 92 (H) mm³, 1.5kg
POWER SUPPLY (PSU-III-FDA) ⁴	POWER SUPPLY (PSU-III-OEM-97) ⁴	
 171 (L) × 130(W) × 62.2 (H) mm³, 1.2kg	 94(L)×75(W)×49(H)mm³, 0.23kg	

1 Any power level can be selected in this range.

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

3 Output power adjustable 10-100%.

4 Fixed output power.