



MLL-V-xxx-SM Series

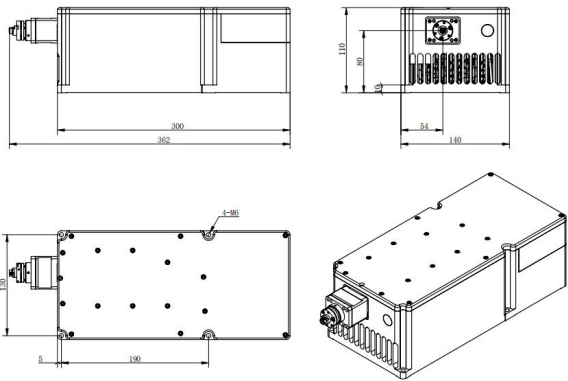
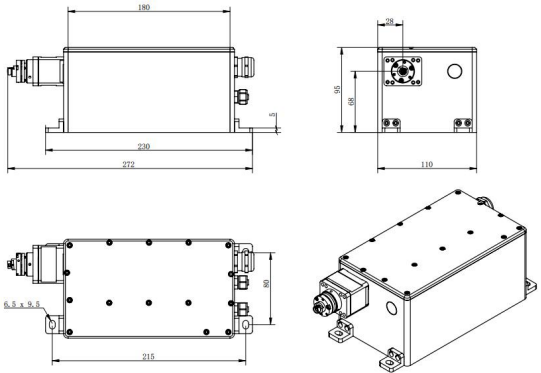
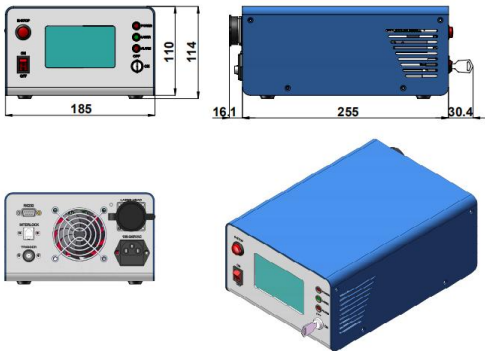
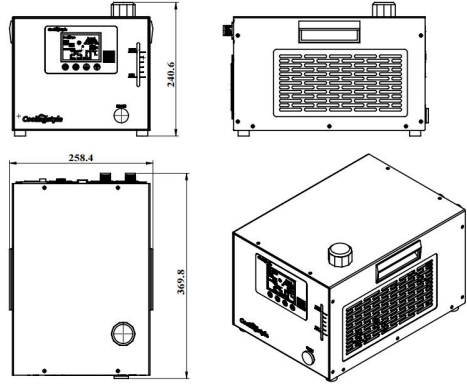
SM FIBER OUTPUT LASER

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)	532±1	671±1
Operating mode	CW	
Output power (mW) ¹	1000-5000	250-3000
Power Stability (rms, 4 hours ± 3°C)	<3%, <2%, (<1% optional)	
Transverse mode	TEM ₀₀ (single mode fiber output)	
M ²	<1.1	
Polarization ratio (optional)	>50:1 after PM fiber	
Noise of amplitude (rms, 20Hz-20MHz)	<1%	
Fiber type	SM fiber (PM fiber optional)	
Fiber core diameter	3.5um,0.10NA	4um,0.10NA
Fiber connector	FC/APC	
Fiber length ²	1m	
Fiber Jacket	PVC, Metal optional	
Warm-up time (minutes)	<10	
Cooled method	Air Cooled (Water Cooled optional)	
Operating temperature (°C)	10-30	
Power supply (100-240VAC)	PSU-W-LED	
Modulation option	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Expected lifetime (hours)	> 10000	

LASER HEAD (MLL-V-532/671-SM)	LASER HEAD (MLL-V-532/671-Water-SM)
 362 (L) × 140 (W) × 110 (H) mm³, 6.8 kg	 272 (L) × 110 (W) × 95 (H) mm³, 4.1 kg
POWER SUPPLY	WATER CHILLER (WCH-580)
 301.5 (L) × 185 (W) × 114 (H) mm³, 3.0 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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