



UV-FN-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 coupling with high power stability and long term stability.



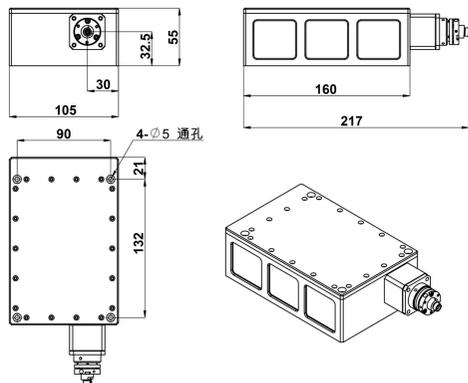
SPECIFICATIONS

Wavelength (nm)	349±1	355±1	360±1
Operating mode	CW		
Output power (mW)	1-50	1-20	1-50
Power stability (rms, over 4 hours)	<3%, <2%, <1%	<5%, <3%	<3%, <2%, <1%
Transverse mode	TEM <sub>00</sub>		
M <sup>2</sup> factor	<1.2		
Polarization ratio	Random polarization	Random polarization (>50:1 after PM fiber, >100:1 optional)	
Fiber connector	FC/APC		
Fiber jacket	PVC		
Fiber length	1m (Other lengths can be customized)		
Warm-up time (minutes)	<10		
Operating Temperature (°C)	10-35		
Modulation option	DC-1kHz; TTL and Analog modulation optional		
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	PSU-H-FDA	PSU-H-LED/PSU-H-FDA/PSU-SR
Expected lifetime (hours)	>10000		

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

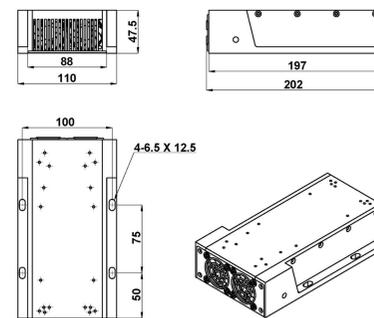


LASER HEAD



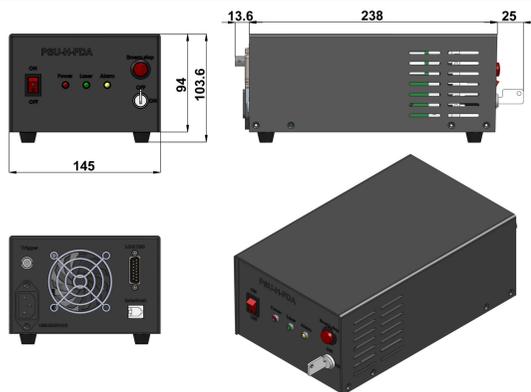
217 (L) × 105(W) × 55(H) mm<sup>3</sup>, 2.5 kg

HEATSINK(OPTIONAL TC-02-FS )



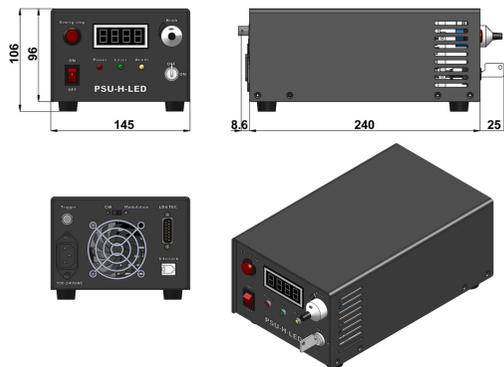
220(L)×110(W)×47.5(H) mm<sup>3</sup>, 1.25 kg

POWER SUPPLY (PSU-H-FDA)



276.6(L) × 145(W) × 103.6(H) mm<sup>3</sup>, 2.3 kg

POWER SUPPLY (PSU-H-LED)



273.6 (L) × 145(W) × 106 (H) mm<sup>3</sup>, 2.3 kg

POWER SUPPLY (PSU-SR)



188(L) × 145(W) × 83(H) mm<sup>3</sup>, 1.2kg