

**FL-1064/ 6W-10W/300-400uJ**



## FL SERIES 1064nm LASER SOURCE FOR LASER MARKING

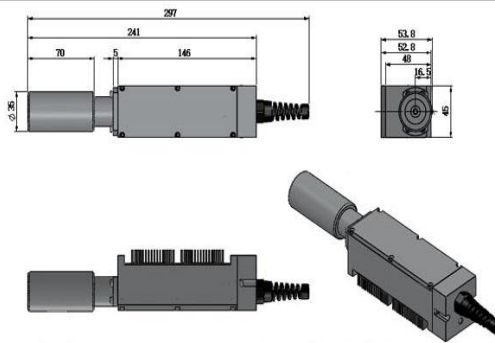
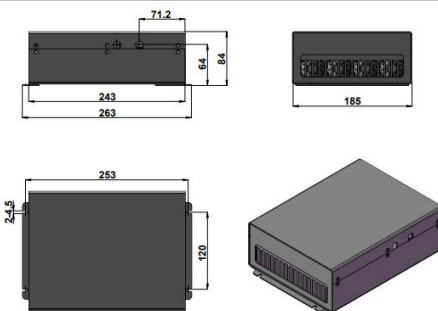
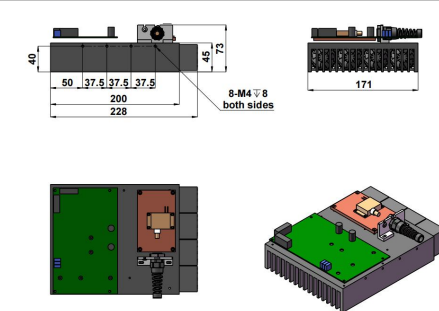
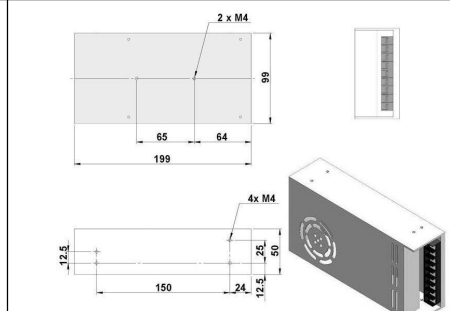
FL-1064nm series laser combination of both DPSS and fiber technology, has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in laser marking, engraving on the diamond, metal, Steel, IC, Plastics, and also in scientific research.



### SPECIFICATIONS

Wavelength (nm)	1064±1	
Operating mode	Passively	
Average power (W)	6-8	8-10
Single pulse energy (μJ)	~300	~400
Rep. rate (kHz) <sup>1</sup>	10-25	
Pulse duration (ns) <sup>2</sup>	~6	~7
Peak power (kW)	~50	~55
Power stability (rms, 4 hours ± 3°C)	<2%, <1%	
Transverse mode	TEM <sub>00</sub>	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~6.0	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	16.5	
Operating temperature (°C)	10-35	
Operating voltage (VDC)	PSU-FL-FDA(12V/25A)	PSU-FL-OEM (12V/25A)
Expected lifetime (hours)	>10000	



LASER HEAD	DRIVER (PSU-FL-FDA)	DRIVER (PSU-FL-OEM)	POWER SUPPLY (100-240VAC)
 <p>297 (L) × 45 (W) × 53.8 (H) mm<sup>3</sup>, 0.7 kg</p>	 <p>263 (L) × 185 (W) × 84 (H) mm<sup>3</sup>, 3.6 kg</p>	 <p>228 (L) × 171 (W) × 75 (H) mm<sup>3</sup>, 2.4 kg</p>	 <p>199 (L) × 99 (W) × 50 (H) mm<sup>3</sup>, 0.9 kg</p>

1 One fixed value between 10kHz-25kHz.

2 Fixed Pulse width.