



## DPPS1064 Series 1064nm DPSS Picosecond Pulsed Laser System up to 30W

### Overview

The DPPS1064 series diode-pumped all solid-state (DPSS) picosecond pulsed laser is ideal for applications that require a wavelength of 1064nm and output power levels up to 30000mW. The laser features short pulse duration, high repetition rate, high average power, and FDA-compliant system with driver. The laser is commonly used in laser medical treatment, industrial processing, physics experiment, scientific research, and many other applications.



### Specifications

<b>Model No.</b>	<b>DPPS1064-XYZ</b>	
Wavelength (nm)	1064±1	
Operating mode	Pulsed	
Output power (mW)	~5000 ( <b>X=5W</b> ), ~10000 ( <b>X=10W</b> ), ~20000 ( <b>X=20W</b> ), ~30000 ( <b>X=30W</b> )	
Power stability (rms, over 4 hours)	<3% ( <b>Z=E</b> ), <1% ( <b>Z=D</b> )	
Pulse duration (ps)	<50	
Repetition rate (MHz)	0.1-10	
M <sup>2</sup> factor	<1.5	
Beam diameter (mm)	~2	
Beam height from base plate (mm)	128	
Cooled method	Air cooled	
Warm-up time (minutes)	<15	
Operating temperature (°C)	15-30	
Dimensions of laser head (mm)	465(L)×500(W) ×170(H) mm <sup>3</sup>	
Weight of laser head (kg)	65 kg	
Power supply ( <b>Y=P</b> )	Input voltage	220V AC
	Dimensions	850(L) ×545(W) ×590(H) mm <sup>3</sup>
	Weight	85 kg
Expected lifetime (hours)	10,000	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR 1040.10/11 Class IV	

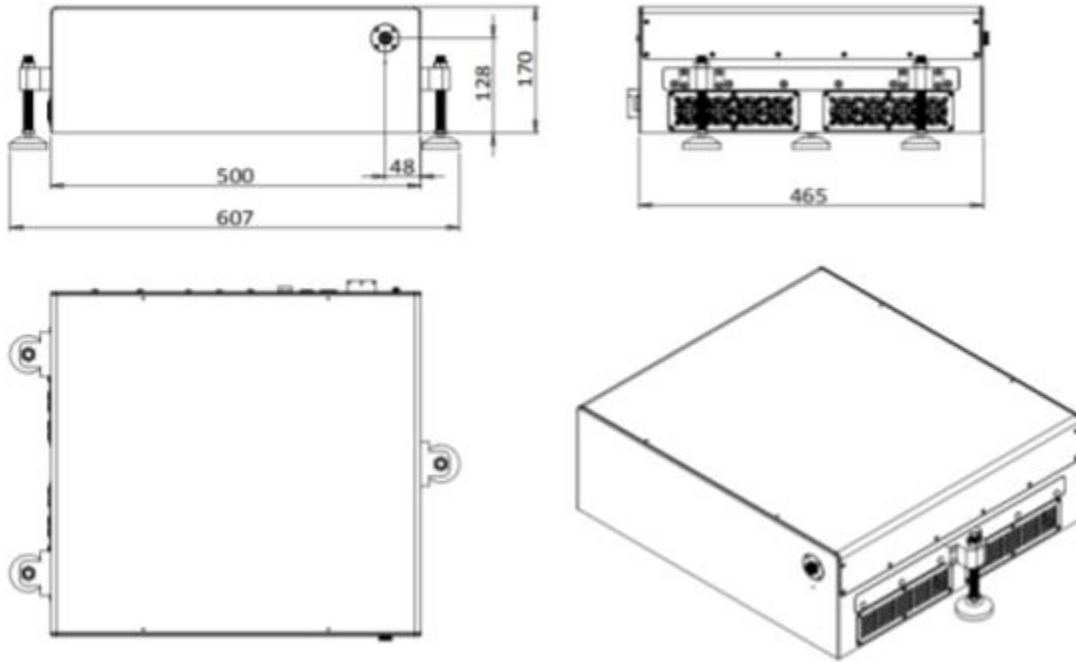
Remarks:

- Specifications of the pulsed laser is based on the laser pulsed at the specified repetition rate. If the laser is run at a different repetition rate, the output characteristics may change.

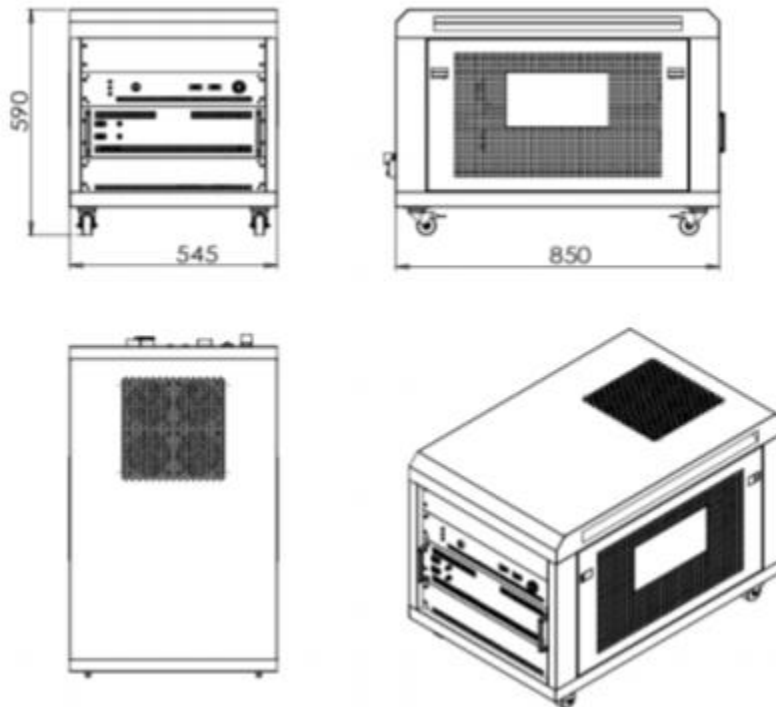


**Outline Dimensions (unit: mm)**

**Laser Head**



**Power Supply**



Note: The above specifications are subject to change without notice.