DPPS532 Series 532nm DPSS Picosecond Pulsed Laser System up to 10W

Overview

The DPPS532 series diode-pumped all solid-state (DPSS) picosecond pulsed laser is ideal for applications that require a wavelength of 532nm and output power levels up to 10000mW. 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

Model Number		**DPPS532-XPY**
Wavelength (nm)		532±1
Operating mode		Pulsed
Output power (mW)		~2000 **(X=2W)**, ~5000 **(X=5W)**, ~8000 **(X=8W)**, ~10000 **(X=10W)**
Power stability (rms, over 4 hours)		<3% **(Y=E)**, <1% **(Y=D)**
Pulse duration (ps)		<50
Repetition rate (MHz)		0.1-10
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^3
Weight of laser head (kg)		65 kg
Power supply	Input voltage	220V AC
	Dimensions	850(L) ×545(W) ×590(H) mm^3
	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.

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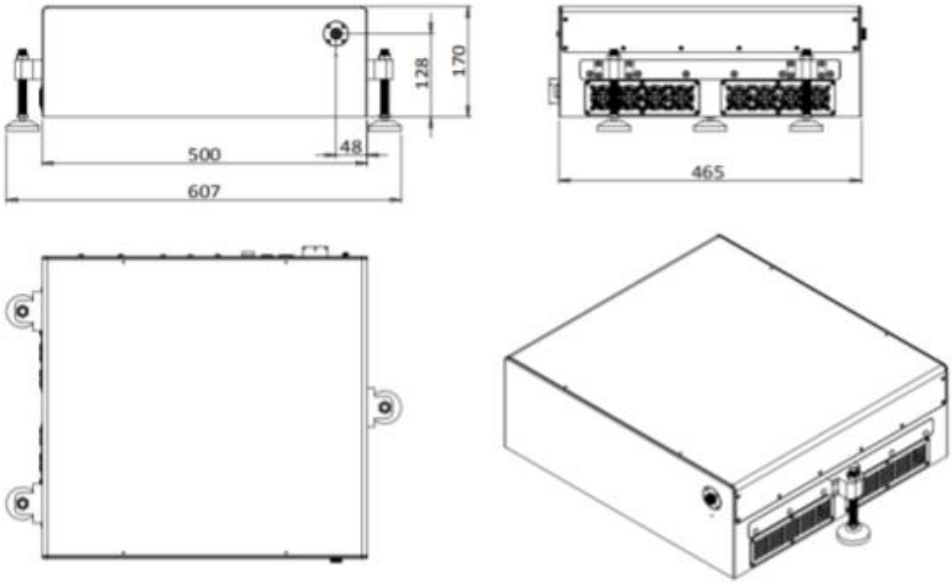
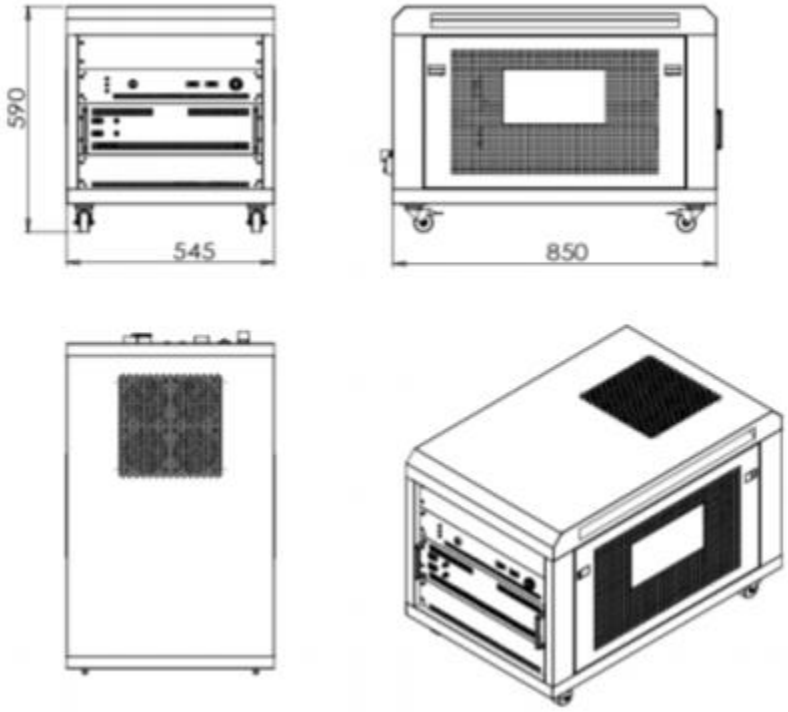
Outline Dimensions (unit: mm)

Laser Head



Power Supply



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

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