



QEOE532 Series 532nm High Energy DPSS Q-Switched Laser up to 4mJ

Overview

The QEOE532 series high energy diode-pumped solid-state (DPSS) Q-switched EOM (Electro-Optic Modulation) laser is ideal for applications that require a wavelength of 532nm and single pulse energy levels up to 4mJ. The laser features high single pulse energy, short pulse duration, and high peak power. The laser is widely used in LIBS, LIF, PIV, ICP-MS, LCD repair, scientific research, and many other applications.

Specifications

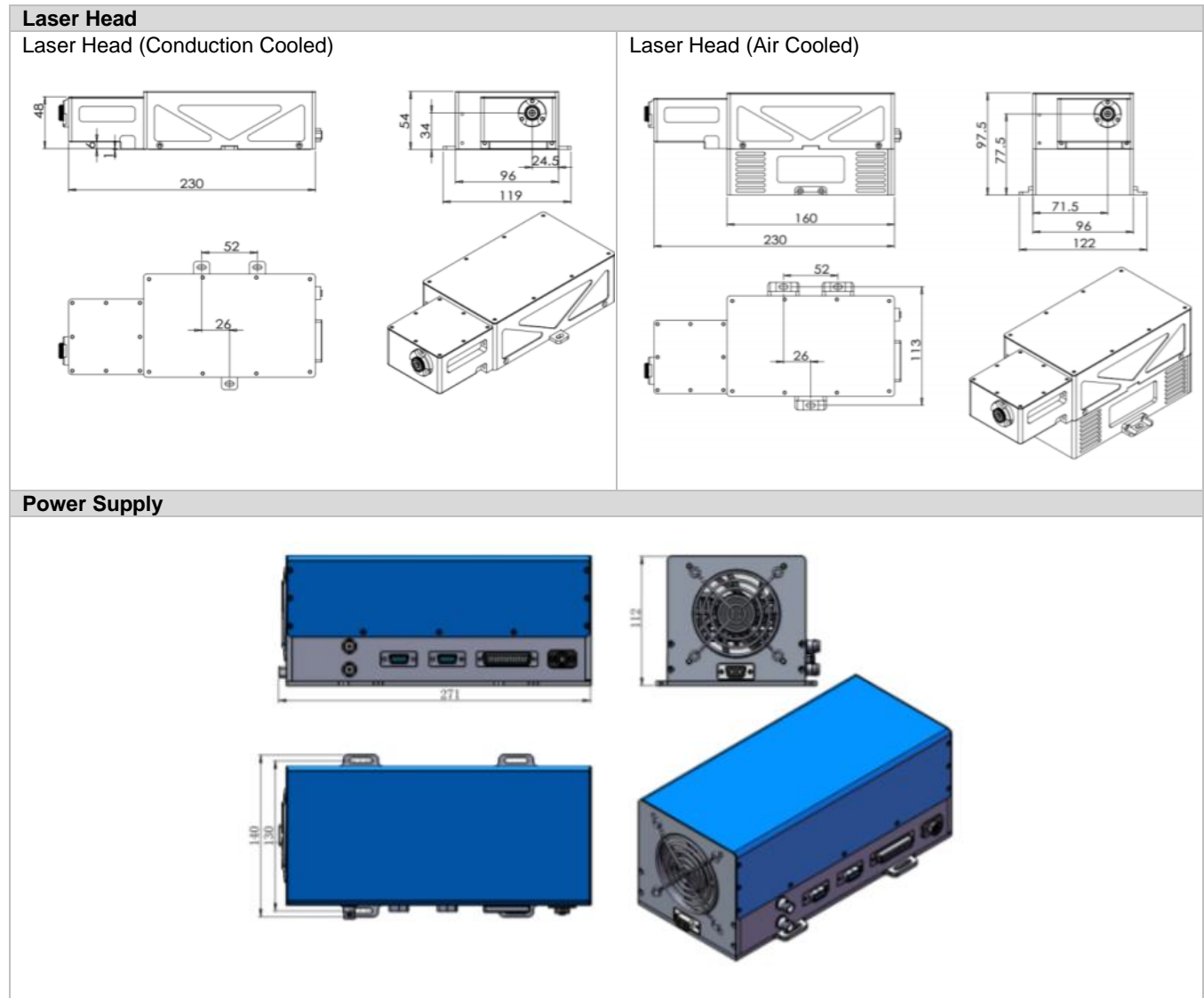
Model Number	QEOE532-XYP	
Wavelength (nm)	532±1	
Operating mode	Q-switched: EO (Electro-optic)	
Single pulse energy (mJ)	~1.5 (X=1)	~3 (X=3), ~4 (X=4)
Pulse duration (ns)	<4	
Repetition rate (Hz)	1-50 (Optional), EXT	
Energy stability	<5% (P=A), <3% (P=E)	
Beam divergence, full angle (mrad)	<3	
Beam diameter (mm)	~1	
Warm-up time (minutes)	<15	
Operating temperature (°C)	15-30	
Beam height from base plate (mm)	34	77.5
Cooled method	Conduction (Heat dissipation offered by customer.)	Air cooled
Dimensions of laser head (mm)	230(L) × 119(W) × 54(H) mm ³	230(L) × 122(W) × 97.5(H) mm ³
Weight of laser head (kg)	3 kg	3.5 kg
Power supply (Y=DE)	Input voltage	24V DC
	Dimensions	271(L) × 140(W) × 112(H) mm ³
	Weight	2.5 kg
	Features	Repetition rate and current can be adjusted by touch screen.
Expected lifetime (pulses)	10 ⁹	
Warranty period	10 months	
FDA Compliance	FDA CDRH Title 21 CFR1040.10/11 Class IIIb	

Remarks:

- Specifications of the Q-switched 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)



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