

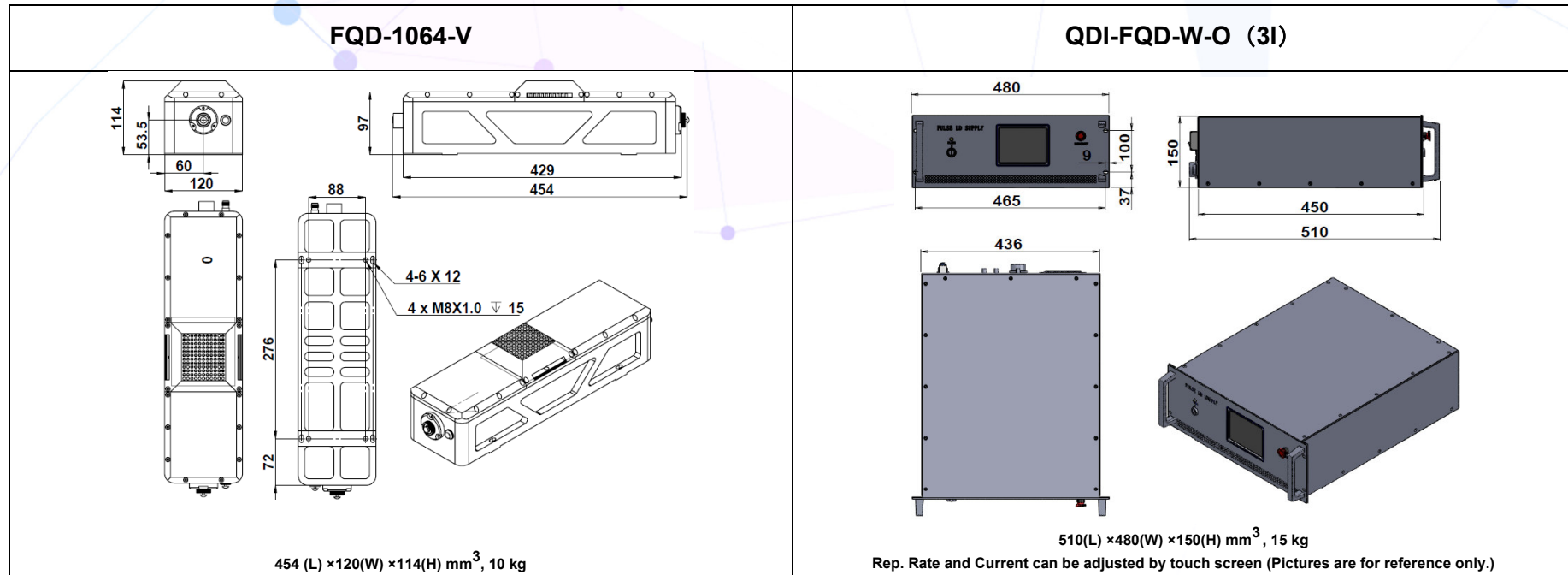
FQD-1064-V

Q-switched laser at 1064nm



Wavelength (nm)	1064±1		
Operating mode	Q-switched: EOM (Electro-optic modulation)		
Single pulse energy (mJ)	10@15Hz	20@15Hz	30@15Hz
Pulse duration (ns)	~10		
Rep. rate (Hz)	10~40		
Energy stability	<3%, <5%		
Beam divergence, full angle (mrad)	~3		
Beam diameter (mm)	~2	~2.5	~3
Warm-up time (minutes)	<15		
Beam height from base plate (mm)	53.5		
Cooled method	Air Cooled		
Operating temperature (°C)	15~35		
Power supply (220VAC)	QDI-FQD-W-O(3I)		
Expected lifetime (pulses)	10 ⁹		
Warranty period	1 year		
Available options	Other repetition rates; Jitter:~1ns(Sdev); Accessories		

A high-energy, diode-pumped, all-solid-state Q-switched laser operating at 1064 nm features high single-pulse energy, short pulse duration, and high peak power. This laser is widely used in applications such as Laser-Induced Fluorescence (LIF), Laser-Induced Breakdown Spectroscopy (LIBS), Inductively Coupled Plasma Mass Spectrometry (ICP-MS), scientific research, laser processing, and more.



Note:

Specifications subject to change without notice.