

# RP-CD-457

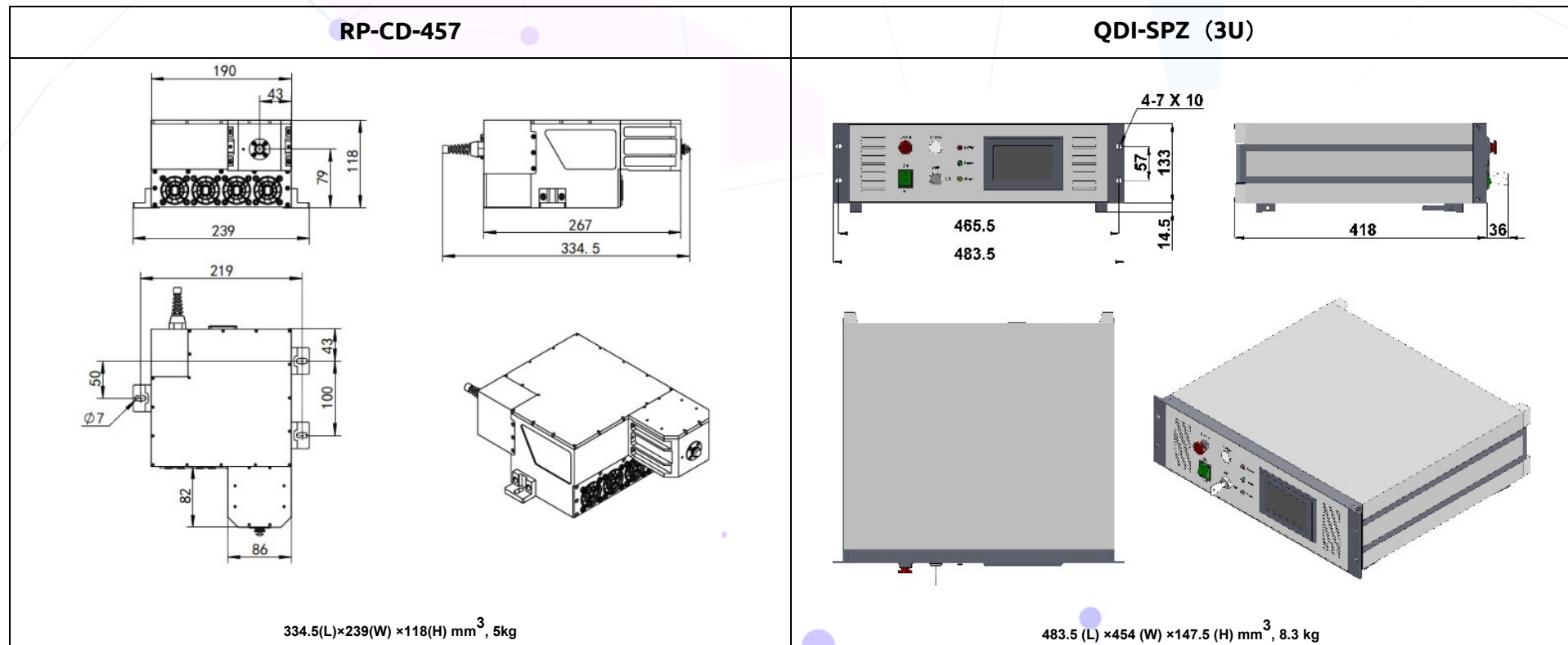
## RPZ Q-switched laser at 457nm



# Product Details | **RP-CD-457** LD PUMPED ALL-SOLID-STATE RPZ Q-SWITCHED LASER

<b>Wavelength (nm)</b>	457±1
<b>Operating mode</b>	Electro-optic Q-switched
<b>Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)</b>	1~150mW (150mW@10kHz)
<b>Single pulse energy (μJ)</b>	1~15(15μJ @10kHz)
<b>Rep. rate (kHz)</b>	10
<b>Pulse duration (ns)</b>	~3 @10kHz
<b>Peak power (kW)</b>	1~5 (5kW@10kHz)
<b>Ave power stability (over 4 hours)</b>	<3%, <5%
<b>Warm-up time (minutes)</b>	<10
<b>Beam divergence, full angle (mrad)</b>	<3
<b>Beam diameter at the aperture (1/e<sup>2</sup>, mm)</b>	<2
<b>Beam height from base plate (mm)</b>	79
<b>Cooled method</b>	Air cooled
<b>Operating temperature (°C)</b>	10~35
<b>Power supply (220/110VAC)</b>	QDI-SPZ (3U)
<b>Expected lifetime (hours)</b>	10000

The all-solid-state RPZ Q-switched laser at 457 nm features high peak power, high repetition rate, and short pulse duration, making it widely used in marking, engraving, measurement, research, and other applications.



Note:

Specifications subject to change without notice.