

# SP-Mini-1064

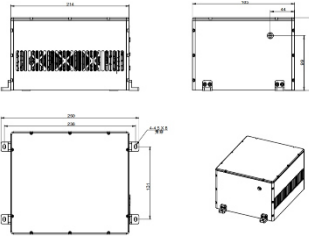
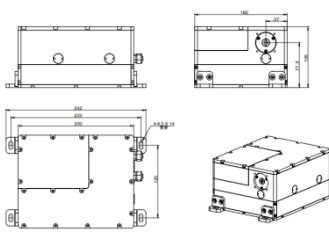
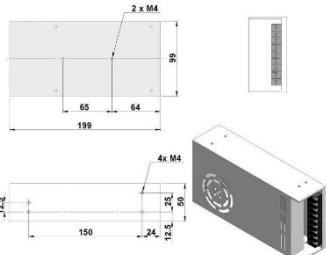
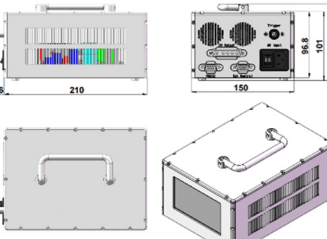

## AOM Q-SWITCHED LASER AT 1064nm





<b>Wavelength (nm)</b>	1064±1	
<b>Operating mode</b>	Acousto-Optic Q-switched	
<b>Average power (W)</b>	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
<b>Rep. rate (kHz)</b>	5~10	20~50
<b>Single pulse energy (μJ)</b>	~150	~30
<b>Pulse duration (ns)</b>	~10	
<b>Peak power (kW)</b>	15	3
<b>Ave power stability (over 4 hours)</b>	<5%, <3%, <1%	
<b>Transverse mode</b>	TEM <sub>00</sub>	
<b>M<sup>2</sup> factor</b>	<1.2	
<b>Beam divergence, full angle (mrad)</b>	<4	
<b>Beam diameter at the aperture (1/e<sup>2</sup>, mm)</b>	~1.0	
<b>Polarization ratio</b>	>100:1, Horizontal	
<b>Warm-up time (minutes)</b>	<10	
<b>Beam height from base plate (mm)</b>	• 77.5@Water cooled	99@Air Cooled
<b>Cooled method</b>	Water cooled	Air Cooled
<b>Supply Voltage</b>	DC 12V/25A (QDI-12/ QDI-12-Q optional)	

The all solid-state AOM Q-switched laser at 1064 nm features high peak power, high repetition rate, and short pulse duration. It is used in laser engraving, laser marking, scientific research, and other applications.

SP-Mini-1064-Air <i>Integrated electronics</i>	SP-Mini-1064-Water <i>Integrated electronics</i>	QDI-12 <sup>①</sup> (Power supply 100-240VAC )	QDI-12-Q <sup>②</sup> (Power supply 100-240VAC)	Water Chiller (EVJ-580)
 <p>250 (L) ×185 (W) ×132 (H) mm<sup>3</sup>, 6.9 kg</p>	 <p>242 (L) ×160 (W) ×105 (H) mm<sup>3</sup>, 5.4 kg</p>	 <p>DC12V 25A; 199 (L) ×99 (W) ×50 (H) mm<sup>3</sup>, 0.9 kg</p>	 <p>220.6(L) ×150 (W) ×112.5 (H) mm<sup>3</sup>, 2.75 kg</p>	 <p>369.8 (L) ×258.4(W) ×240.6 (H) mm<sup>3</sup>, 10.5 kg</p>

Note:

① Adaptor for 12V/25A.

② Adaptor for 12V/25A, and power control function is included.

Specifications subject to change without notice.