

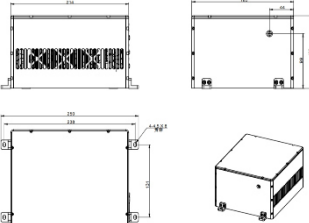
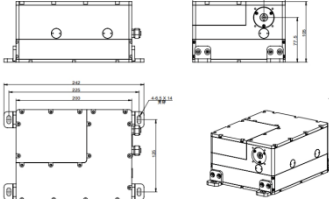
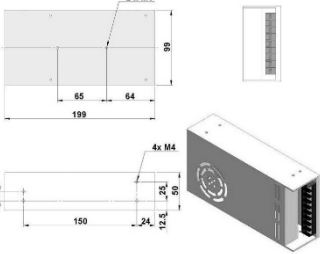
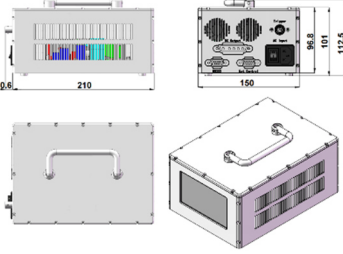

SP-Mini-532

AOM Q-SWITCHED LASER AT 532nm



Wavelength (nm)	532±1	
Operating mode	Acousto-Optic Q-switched	
Average power (W)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)	
Rep. rate (kHz)	1~10	10~50
Single pulse energy (μJ)	~100	~20
Pulse duration (ns)	~7	
Peak power (kW)	~15	~3
Ave power stability (over 4 hours)	<5%, <3%, <1%	
Transverse mode	TEM ₀₀	
M² factor	<1.2	
Beam divergence, full angle (mrad)	<4	
Beam diameter at the aperture (1/e², mm)	~1.0	
Polarization ratio	>100:1, Vertical	
Warm-up time (minutes)	<10	
Beam height from base plate (mm)	77.5@Water cooled	99@Air Cooled
Cooled method	Water cooled	Air Cooled
Operating temperature (°C)	10~35	
Supply Voltage	DC 12V/25A (QDI-12/ QDI-12-Q optional)	

The all solid-state AOM Q-switched laser at 532 nm features high peak power, high repetition rate, and short pulse duration. It is used in applications such as laser engraving, laser marking, scientific research, and more.

SP-Mini-532-Air <i>Integrated electronics</i>	SP-Mini-532-Water <i>Integrated electronics</i>	QDI-12 ^① (Power supply 100-240VAC)	QDI-12-Q ^② (Power supply 100-240VAC)	Water Chiller (EVJ-580)
 250 (L) ×185 (W) ×132 (H) mm ³ , 6.9 kg	 242 (L) ×160 (W) ×105 (H) mm ³ , 5.4 kg	 DC12V 25A; 199 (L) ×99 (W) ×50 (H) mm ³ , 0.9 kg	 220.6(L) ×150 (W) ×112.5 (H) mm ³ , 2.75 kg	 369.8 (L) ×258.4(W) ×240.6 (H) mm ³ , 10.5 kg

Note:

- ① Adaptor for 12V/25A.
 - ② Adaptor for 12V/25A, and power control function is included.
- Specifications subject to change without notice.