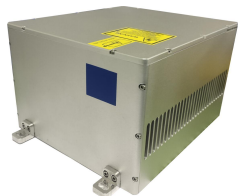


AO-Mini-946 /150~200μJ/1~500mW



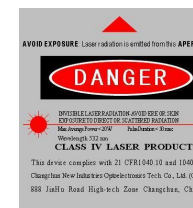
**LD PUMPED ALL-SOLID-STATE
AOM Q-SWITCHED LASER**

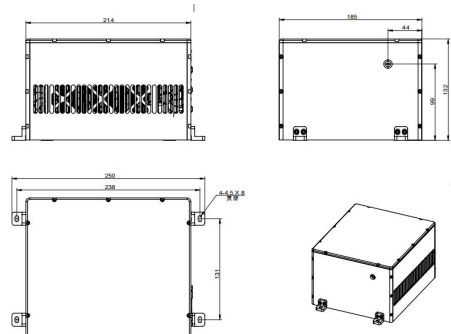
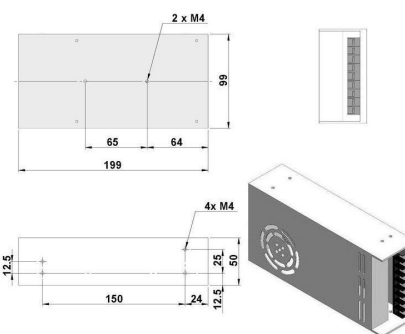
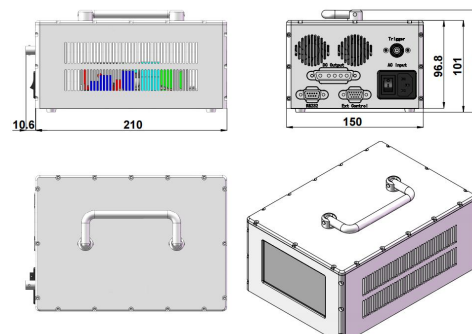
All solid state AOM Q-switched laser at 946 nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.



SPECIFICATIONS

Wavelength (nm)	946±1
Operating mode	Acousto-Optic Q-switched
Average power (mW)	1-500 (500mW@5kHz)
Single pulse energy (μJ)	Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) 150μJ@100Hz; 150μJ@1kHz; 100μJ@5kHz;
Rep. rate (kHz)	0.1-5
Pulse duration (ns)	30ns@100Hz; 30ns@1kHz; 40ns@5kHz
Peak power (kW)	~5
Ave power stability (over 4 hours)	<5%, <3%, <2%, <1%
Transverse mode	TEM ₀₀
Spectral linewidth (pm)	<100
Beam divergence, full angle (mrad)	<3.0
Beam diameter at the aperture (1/e ² , mm)	~1
Warm-up time (minutes)	<10
Beam height from base plate (mm)	99
Cooled method	Air Cooled
Operating temperature (°C)	10~35
Supply Voltage	DC 12V/25A (PSU-12/ PSU-12-P optional)



AO-Mini-946 <i>Integrated electronics</i>	PSU-12 ^① (Power supply 100-240VAC)	PSU-12-P ^② (Power supply 100-240VAC)
 <p>250 (L) × 185 (W) × 132 (H) mm³, 6.9 kg</p>	 <p>DC12V 25A; 199 (L) × 99 (W) × 50 (H) mm³, 0.9 kg</p>	 <p>220.6 (L) × 150 (W) × 112.5 (H) mm³, 2.75 kg</p>

Note:

① Adaptor for 12V/25A.

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