

AO-L-1064 /1~500uJ/1-2000mW

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





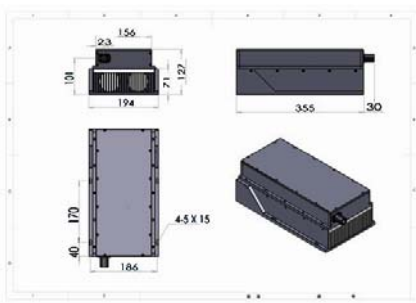
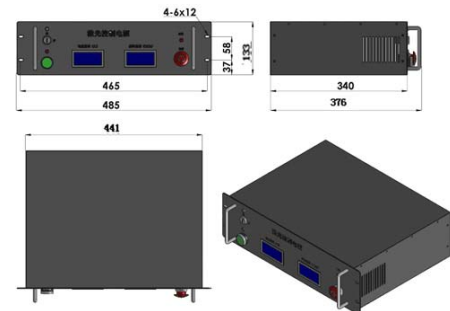
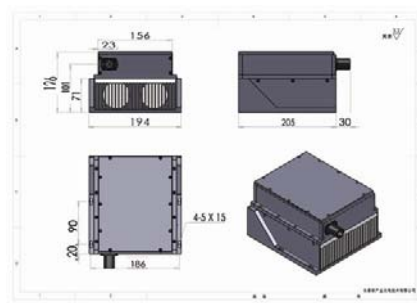
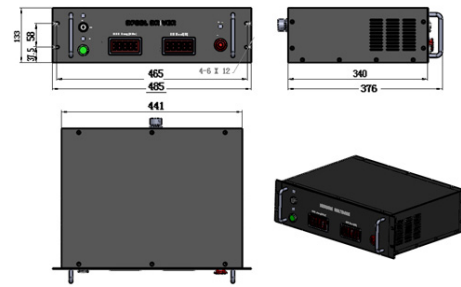
All solid state AOM Q-switched laser at 1064 nm has the features of high peak power, high repetition rate, and short pulse duration, which is used in laser inner cover, laser marking, scientific research and so on.



SPECIFICATIONS

| | | | | | |
|------------------------------------|--|------------|------------|------------|------------|
| Wavelength (nm) | 1064±1 | | | | |
| Operating mode | Q-switched: AOM (Acousto-Optic Modulation) | | | | |
| Output power (W) | ~0.5W@1kHz | ~1.0W@2kHz | ~1.5W@3kHz | ~2.0W@4kHz | ~3.5W@5kHz |
| | Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) | | | | |
| Single pulse energy (μJ) | 1~500 | | | | |
| Pulse duration (ns) | 5~10 | | | | |
| Peak power (kW) | 1~100 | | | | |
| Rep. rate (kHz) | 0.8~4 | | | | |
| Ave power stability (over 4 hours) | <1%, <3%, <5% | | | | |
| Warm-up time (minutes) | <10 | | | | |
| Beam divergence, full angle (mrad) | 1.5 | | | | |
| Beam diameter at the aperture (mm) | ~2.0 | | | | |
| Beam height from base plate (mm) | 101 | | | | |
| Polarization ratio | >100:1 | | | | |
| Cooled method | Air cooled | | | | |
| Operating temperature (°C) | 15~35 | | | | |
| Power supply (220/110VAC) | PSU-AOM(3U) | | | | |
| Expected lifetime (hours) | 10000 | | | | |
| Warranty period | 1 year | | | | |



| AO-L-1064A (With LDA included in the laser head) | | AO-L-1064B (With LDA included in the driver) | |
|---|--|---|--|
| Laser Head | Driver-PSU-AOM(3U) | Laser Head | Driver-PSU-AOM(3U) |
|  <p>385(L) × 194(W) × 127 (H) mm³, 9.5kg</p> |  <p>485(L) × 376(W) × 133 (H) mm³, 11.6/11.3kg</p> |  <p>235(L) × 194(W) × 126 (H) mm³, 5.4kg</p> |  <p>485(L) × 376(W) × 133 (H) mm³, 13.2kg</p> |
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