

EO-266W/3W/60uJ



## LD PUMPED ALL-SOLID-STATE UV EOM Q-SWITCHED LASER

All solid state EOM Q-switched laser at 266 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.

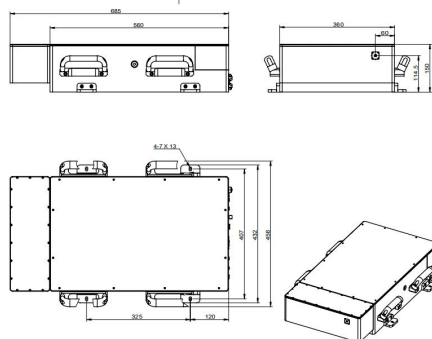


### SPECIFICATIONS

|                                                       |                                                                           |
|-------------------------------------------------------|---------------------------------------------------------------------------|
| Wavelength (nm)                                       | 266±1                                                                     |
| Operating mode                                        | Actively                                                                  |
| Average power (W)                                     | 3@50kHz<br>Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (μJ)                              | >60@50kHz                                                                 |
| Rep. rate <sup>1</sup>                                | 10-100kHz                                                                 |
| Pulse duration (ns) <sup>2</sup>                      | <5                                                                        |
| Power stability (rms, 4 hours ± 3°C)                  | <2%, <1%                                                                  |
| Transverse mode                                       | TEM <sub>00</sub>                                                         |
| Beam divergence, full angle (mrad)                    | <1.5                                                                      |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~2                                                                        |
| Polarization ratio                                    | >100:1 Vertical                                                           |
| Beam height from base plate (mm)                      | 150                                                                       |
| Warm-up time (minutes)                                | <10                                                                       |
| Cooled method                                         | Water cooled                                                              |
| Operating temperature (°C)                            | 15-35                                                                     |
| Operating voltage (VDC)                               | 24V/31.1A                                                                 |
| Expected lifetime (hours)                             | >10000                                                                    |

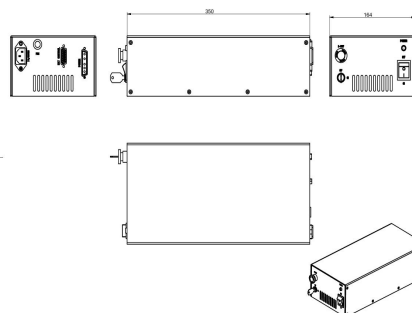


### LASER HEAD (Driver Integrated)



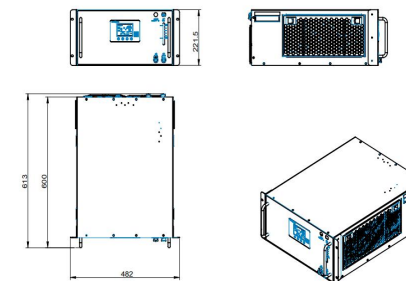
685 (L) × 456 (W) × 150 (H) mm<sup>3</sup>

### POWER SUPPLY (100-240VAC)



350 (L) × 164 (W) × 98 (H) mm<sup>3</sup>

### WATER CHILLER (5U03)



613 (L) × 482 (W) × 221.5 (H) mm<sup>3</sup>, 28 kg

1 Other rep.rate range available on request.

2 Pulse width not tunable, the value varies with different frequency.

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