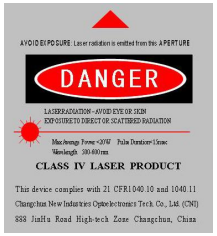
# EL-532/50~125μJ/150~1500mW

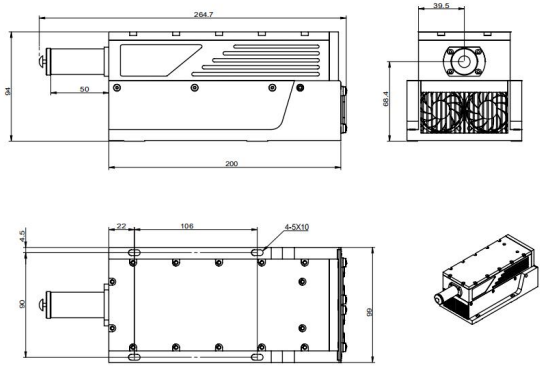
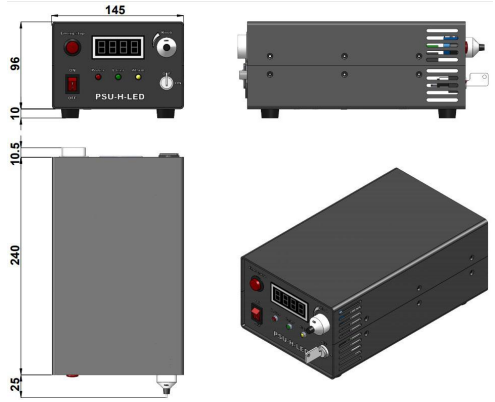
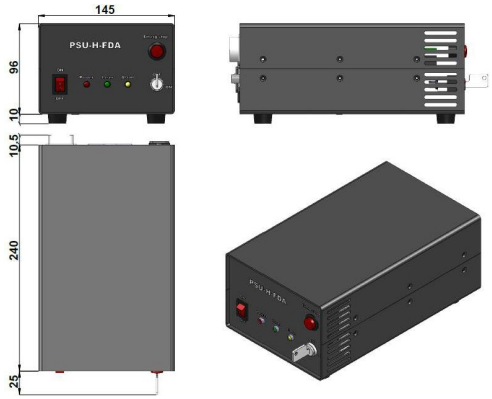
## LD PUMPED ALL-SOLID-STATE Q-SWITCHEDLASER

All solid state Q-switched laser at 532nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry, such as marking on highly reflective metals, semiconductors, carbide, rubbers, ceramics and composites.

### SPECIFICATIONS

| | | | |
|---|---|---|---|
| Wavelength (nm) | | 532±1 | |
| Operating mode | | Passively Q-switched | |
| Average power (mW) | | 150~1500 | |
| Single pulse energy (μJ) | | 50~125 | |
| Pulse duration (ns) | | ~2 | ~5 |
| Peak power (kW) | | 75 | 30 |
| Rep. rate (kHz) | FIXED | Setting up one fixed rep. rate internal between 1kHz-10kHz with stable pulse energy, pulse duration and pulse period. | |
| | EXT TRIG | 1kHz-10kHz by external trigger with stable pulse energy, pulse duration and pulse period. | |
| | QCW | QCW state with one rep. rate between 1kHz-15kHz. | |
| Power stability (over 4 hours) | | <5%, <3% | |
| Transverse mode | | Near $TEM_{00}$ | |
| $M^2$ factor | | <1.5 | |
| Beam divergence, full angle (mrad) | | <2 | |
| Beam diameter at the aperture ($1/e^2$, mm) | | ~0.8 | |
| Polarization ratio | | >100:1, Vertical (Horizontal Optional) | |
| Warm-up time (minutes) | | <10 | |
| Beam height from base plate (mm) | | 68.4 | |
| Operating temperature (℃) | | 10~35 | |
| Power supply (90-264VAC) | | PSU-N-LED | PSU-N-FDA |




| EL-532 | PSU-N-LED | PSU-N-FDA |
|---|---|---|
|  |  |  |
| 264.7 (L) ×99 (W) ×94 (H) $mm^3$, 2.6 kg | 275.5 (L) ×145 (W) ×106 (H) $mm^3$, 2.5 kg | 275.5 (L) ×145 (W) ×106 (H) $mm^3$, 2.5 kg |

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