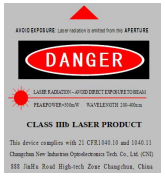
## UV-FN series

# LD PUMPED ALL-SOLID-STATE UV LASER

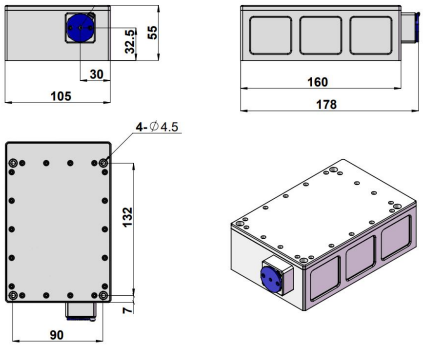
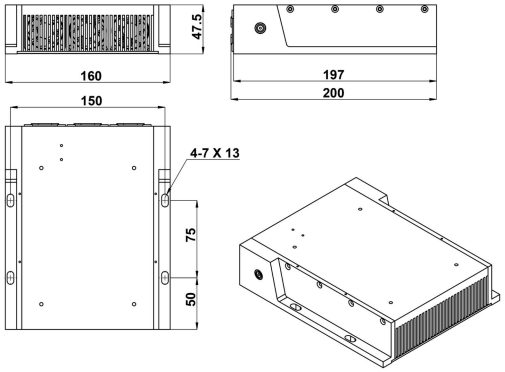
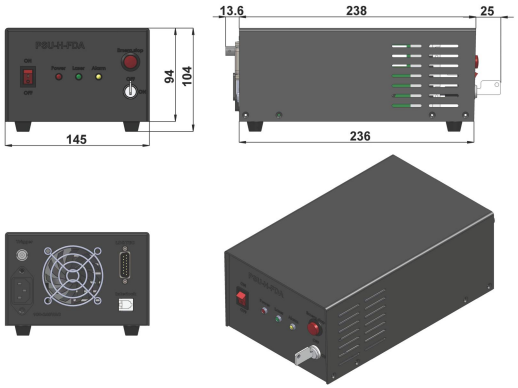
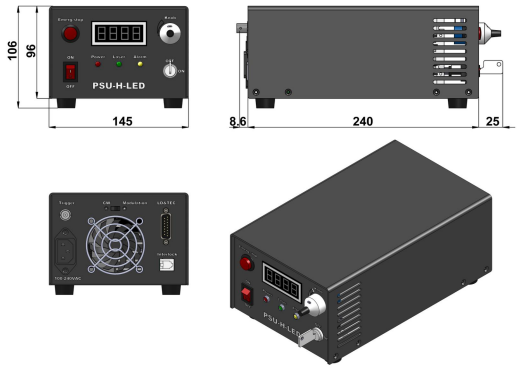
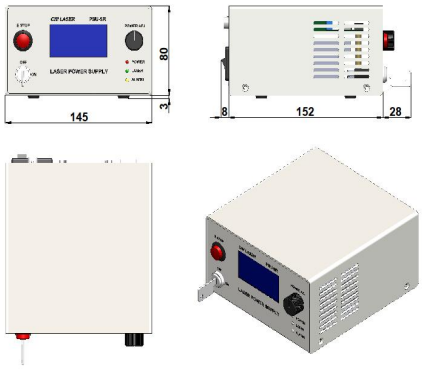





All solid state UV laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.

**SPECIFICATIONS**

| | |
|---|---|
| Wavelength (nm) | 364±1 |
| Operating mode | CW |
| Output power (mW)[1] | 1-100 |
| Power stability (rms, 4 hours±3°C) | <3%, <2%, <1% |
| Transverse mode | $TEM_{00}$ |
| $M^2$ | <1.5 |
| Beam diameter at the aperture ($1/e^2$, mm) | <1.0 |
| Beam divergence, full angle (mrad) | <1.2 |
| Polarization ratio | >100:1, Vertical (Horizontal optional) |
| Warm-up time (minutes) | <10 |
| Pointing Stability(μrad)<br>(over 2 hours after warm-up and ±3°C) | <50 |
| Pointing Stability Over Temperature(μrad/°C) | <8 |
| Beam height from base plate (mm) | 32.5/ 27.4 |
| Operating Temperature (°C) | 10-35 |
| Modulation option | DC-1kHz; TTL and Analog optional |
| Power supply (100-240VAC) | PSU-H-FDA/ PSU-H-LED/PSU-SR |
| Expected lifetime (hours) | >10000 |

| LASER HEAD | HEATSINK (TC-02-FS-L) optional | POWER SUPPLY (PSU-H-FDA)[3] |
|---|---|---|
|  |  |  |
| **178(L)×105(W)×55(H) mm³, 2.5kg** | **200(L)×160(W)×47.5(H) mm³, 2.0 kg** | **276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg** |
| POWER SUPPLY (PSU-H-LED)[4] | POWER SUPPLY (PSU-SR)[4] | |
|  |  | |
| **273.6 (L) ×145(W) ×106 (H) mm³, 2.3 kg** | **188(L) ×145(W) ×83(H) mm³, 1.2kg** | |

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power.

4 Output power adjustable 10-100%; RS232 control optional.