

### MPL-N series



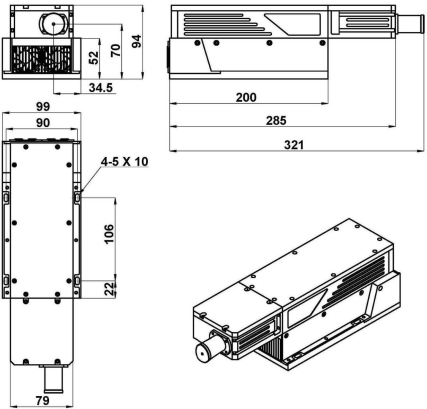
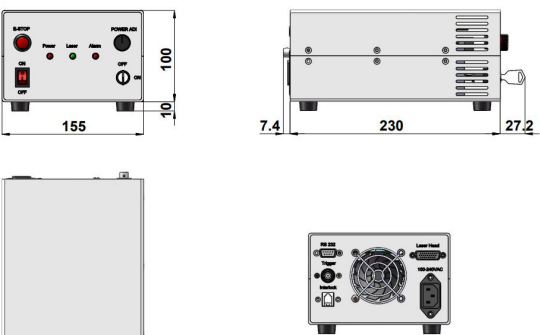
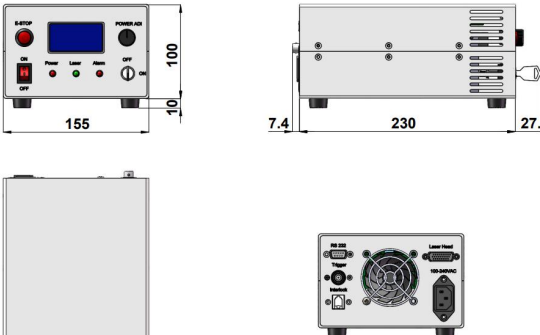
### LD PUMPED ALL-SOLID-STATE UV LASER

All solid state UV laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



### SPECIFICATIONS

|                                       |                                       |        |       |
|---------------------------------------|---------------------------------------|--------|-------|
| Wavelength (nm)                       | 257±1                                 | 343±1  | 515±1 |
| Operating mode                        | Passively                             |        |       |
| Max average power (mW) <sup>1</sup>   | 1-15                                  | 1-50   | 1-60  |
| Single pulse energy (μJ) <sup>2</sup> | 0.1-4                                 | 0.1-7  | 1-30  |
| Pulse duration (ns)                   | ~5                                    | ~7     | ~10   |
| Peak power (kW)                       | 0.02-0.8                              | 0.01-1 | 0.1-3 |
| Rep. rate (kHz) <sup>3</sup>          | 2-5                                   | 4-8    | 1-2   |
| Ave power stability (over 4 hours)    | <5%, <3%                              |        |       |
| Transverse mode                       | Near TEM <sub>00</sub>                |        |       |
| M <sup>2</sup>                        | <2.0                                  |        |       |
| Beam diameter at the aperture (mm)    | ~1.0                                  |        |       |
| Polarization ratio                    | >50:1, Horizontal (Vertical optional) |        |       |
| Warm-up time (minutes)                | <5                                    |        |       |
| Beam height from base plate (mm)      | 70                                    |        |       |
| Operating temperature (°C)            | 10-35                                 |        |       |
| Power supply (100-240VAC)             | PSU-Q-FDA/PSU-Q-LED                   |        |       |
| Expected lifetime (hours)             | >10000                                |        |       |

| LASER HEAD                                                                                                                            | POWER SUPPLY (PSU-Q-FDA) <sup>4</sup>                                                                                                      | POWER SUPPLY (PSU-Q-LED) <sup>5</sup>                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>321(L)×99(W) ×94(H) mm<sup>3</sup>, 3.215 kg</p> |  <p>264.6(L) ×155(W) ×110 (H) mm<sup>3</sup>, 2.3 kg</p> |  <p>264.6(L) ×155(W) ×110 (H) mm<sup>3</sup>, 2.6kg</p> |

1.Average power (mW)= Single pulse energy (μJ)\* Rep. rate(kHz).

2.Any energy level can be selected in this range.

3.The rep.rate is a free running value within this range.

4.Fixed output power.

5.Output power adjustable 10-100%.