



# Lasertack

## New Laser Generation

MPL-N-266/0.1~10uJ/1~120mW



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

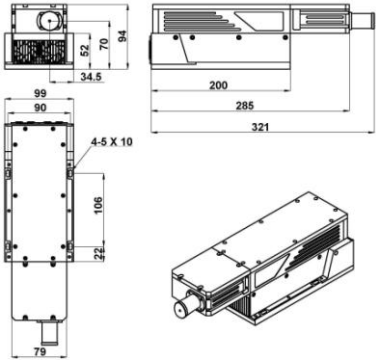
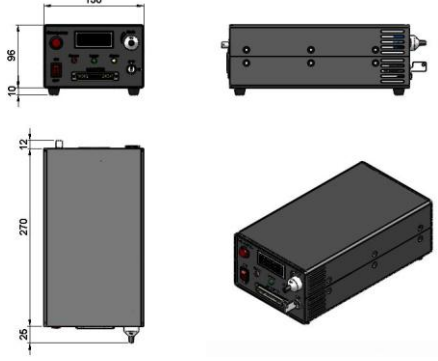
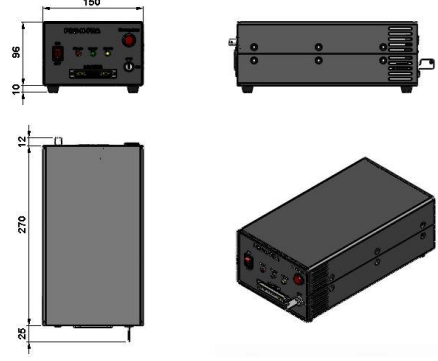
All solid state 266 nm UV laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



### SPECIFICATIONS

|                                    |                |  |
|------------------------------------|----------------|--|
| Central wavelength (nm)            |                | 266±1  |
| Output average power (mW)          |                | 1~30      30~120   |
| Transverse mode                    |                | Near TEM <sub>00</sub> , elliptical  |
| Operating mode                     |                | Pulsed, Cr : YAG passively Q-switched  |
| Single pulse energy (μJ)           |                | 0.1~3      ~10   |
| Pulse duration (ns)                |                | ~1.3      ~6   |
| Peak power (W)                     |                | 80~2300      ~1700   |
| Rep. rate (kHz)                    | Uncontrollable | Undefined rep. rate among 10k-15kHz and unstable laser pulse emitting. Suitable for the applications only needing high peak power pulses.  |
|                                    | Controllable   | Fixed rep. rate, such as 3k, 4k, 5kHz, with stable laser pulses emitting (stable pulse energy, peak, duration and period).<br>Different rep. rate in the range of 3kHz-5kHz can be obtained by input an external TTL signal. |
| Average power (mW)                 |                | Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)  |
| Ave power stability (over 4 hours) |                | <5%, <10%  |
| Beam parameters                    |                | Elliptical (4:1), Beam spot 0.5*2mm  |
| Warm-up time (minutes)             |                | <10  |
| Beam height from base plate (mm)   |                | 70   |
| Operating temperature (°C)         |                | 10~35  |
| Power supply (90-264VAC)           |                | PSU-N-LED<br>PSU-N-FDA   |
| Cooling system                     |                | Air  |
| Expected lifetime (hours)          |                | 5000   |
| Warranty period                    |                | 1 year   |
| Remarks                            |                | Please Note: because of the Walk-off effect of Nonlinear crystals, the beam quality of UV laser is not so good as that of 1064/532nm laser.  |



| MPL-N-266  | PSU-N-LED   | PSU-N-FDA  |
|--|---|--|
|  <p>321(L)×99(W)×94(H) mm<sup>3</sup>, 3.215 kg</p> |  <p>307(L)×150(W)×106(H) mm<sup>3</sup>, 2.9 kg</p> |  <p>307(L)×150(W)×106(H) mm<sup>3</sup>, 2.9 kg</p> |