



MPL-N-355/0.1~90uJ/1~800mW



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

All solid state 355nm UV laser is made features of ultra compact, long lifetime, and easy operating, which is widely used in UV curing, micro-electronics, CD carving, laser medical treatment, scientific experiment, etc.



SPECIFICATIONS

| | | |
|------------------------------------|---|--|
| Central wavelength (nm) | 355±1 | |
| Output average power (mW) | 1~150 | 150~800 |
| Transverse mode | Near TEM ₀₀ | |
| Operating mode | Frequency conversion of Q-switched pulsed laser | |
| Single pulse energy (μJ) | 0.1~15 | ~90 |
| Pulse duration (ns) | ~1.3 | ~7 |
| Peak power (W) | 80~11500 | ~13000 |
| Rep. rate (kHz) | FIXED | Setting up one fixed rep. rate internal between 10kHz-15kHz with stable pulse energy, pulse duration and pulse period. |
| | EXT TRIG | 3kHz-5kHz by external trigger with stable pulse energy, pulse duration and pulse period. |
| | QCW | QCW state with one rep. rate between 3kHz-5kHz. |
| Average power (mW) | Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz) | |
| Ave power stability (over 4 hours) | <5%, <10% | |
| Warm-up time (minutes) | <10 | |
| Beam height from base plate (mm) | 70 | |
| Operating temperature (°C) | 10~35 | |
| Power supply (90-264VAC) | PSU-N-LED/ 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-355 | PSU-N-LED | PSU-N-FDA |
|--|--|--|
| <p>321(L) x 99(W) x 94(H) mm³, 3.215 kg</p> | <p>307(L) x 150(W) x 106(H) mm³, 2.9 kg</p> | <p>307(L) x 150(W) x 106(H) mm³, 2.9 kg</p> |