

MDL-III-520/50~1000mW

**GREEN LASER MODULE  
AT 520 nm**





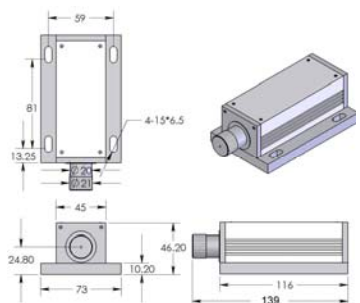

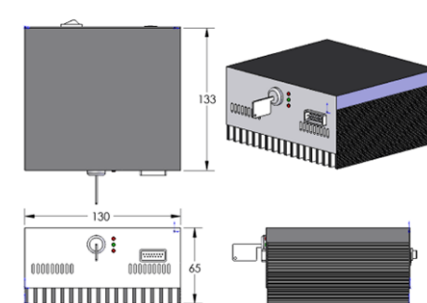
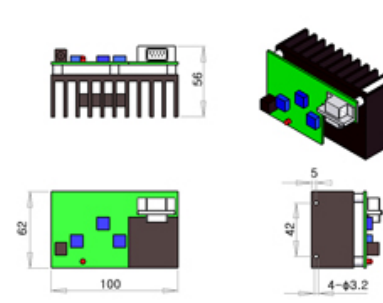
Green laser module at 520 nm is made features of ultra compact, long lifetime, and easy operating, which can be widely used in laser projection, laser shows, biomedical applications, holography, metrology, etc.



SPECIFICATIONS

|                                         |                              |             |             |
|-----------------------------------------|------------------------------|-------------|-------------|
| Wavelength (nm)                         | 520±3                        |             |             |
| Output power (mW)                       | >50, 100, 200, ..., 1000     |             |             |
| Transverse mode                         | Near TEM <sub>00</sub>       |             |             |
| Operating mode                          | CW                           |             |             |
| Power stability (rms, over 4 hours)     | <1%, <3%, <5%                |             |             |
| Warm-up time (minutes)                  | <5                           |             |             |
| Beam divergence, full angle (mrad)      | 1.5                          |             |             |
| Beam diameter at the aperture (mm)      | ~2.7×2.7 (1/e <sup>2</sup> ) |             |             |
| Beam height from base plate (mm)        | 24.8                         |             |             |
| Pointing stability after warm-up (mrad) | <0.05                        |             |             |
| Operating temperature (°C)              | 10~35                        |             |             |
| Power supply (90-264VAC)                | PSU-III-LED                  | PSU-III-FDA | PSU-III-OEM |
| Expected lifetime (hours)               | 10000                        |             |             |
| Warranty period                         | 1 year                       |             |             |



| MxL-III-520                                                                                                                        | PSU-III-LED                                                                                                                            | PSU-III-FDA                                                                                                                             | PSU-III-OEM                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <br>139(L)×73(W)×46.2(H) mm <sup>3</sup> , 0.6kg | <br>153 (L) ×155(W) ×92 (H) mm <sup>3</sup> , 1.5kg | <br>133 (L) ×130(W) ×65 (H) mm <sup>3</sup> , 1.2kg | <br>100 (L) ×62(W) ×56 (H) mm <sup>3</sup> , 0.2kg |
|                                                 |                                                    |                                                    |                                                   |