

# FL-343-Pico/1-50mW

## PICOSECOND ALL FIBER PULSED LASER

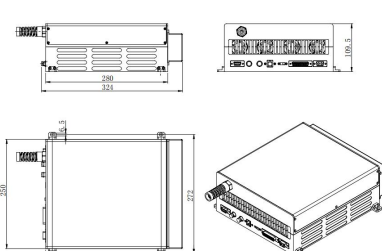
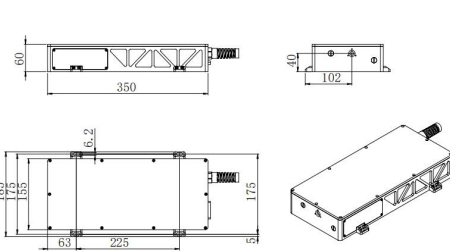
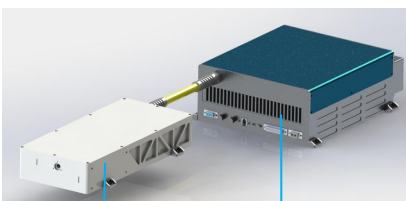
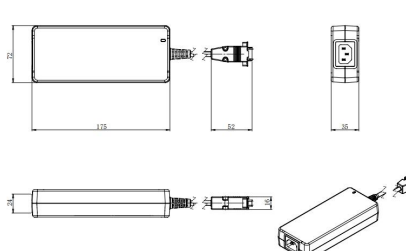
Picosecond all fiber pulsed laser at 343nm is made features of high output power stability, good beam profile, ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific research, laser processing, and so on.



### SPECIFICATIONS

|                                     |                                    |
|-------------------------------------|------------------------------------|
| Wavelength (nm)                     | 343±1                              |
| Operating mode                      | Pulsed                             |
| Average power(mW) <sup>1</sup>      | 1-50@5MHz                          |
| Power stability (rms, 4 hours ±3°C) | <5%, <3%                           |
| Pulse duration (ps) <sup>2</sup>    | 100-900                            |
| M <sup>2</sup>                      | <2                                 |
| Rep. rate <sup>3</sup>              | 100kHz-20MHz                       |
| Polarization ratio (dB)             | >15 Horizontal (Vertical optional) |
| Warm-up time (minutes)              | <15                                |
| Beam height from base plate (mm)    | 40                                 |
| Delivery fiber length(cm)           | 60                                 |
| Cooled method                       | Air cooled                         |
| Operating temperature (°C)          | 15-35                              |
| Operating voltage (VDC)             | 12V/11.5A                          |
| Expected lifetime (hours)           | >10000                             |



| LASER HEAD (Driver integrated)                                                                                                          |                                                                                                                                      |                                                                                                                              | POWER SUPPLY<br>(100-240VAC) optional                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Fundamental Frequency                                                                                                                   | Third harmonic                                                                                                                       |                                                                                                                              |                                                                                                                                       |
|  <p>324(L)×282(W)×109.5(H) mm<sup>3</sup>, 8.5 kg</p> |  <p>350(L)×185(W)×60(H) mm<sup>3</sup>, 2.5kg</p> |  <p>Third harmonic      FL-1030-Pico</p> |  <p>350(L)×185(W)×60(H) mm<sup>3</sup>, 0.7kg</p> |

1 The output power was measured at 5MHz, the value varies with different frequency.

2 One fixed value between 100-900ps;

3 One fixed value between 0.1-20MHz. Repetition rate 0.1-20MHz variable or other frequency can be customized.