

# FL-532-Nano/1-20W

## HIGH FREQUENCY ALL FIBER PULSED LASER

High frequency all fiber pulsed laser at 532nm is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in laser drilling, glass engraving, scientific research, etc.



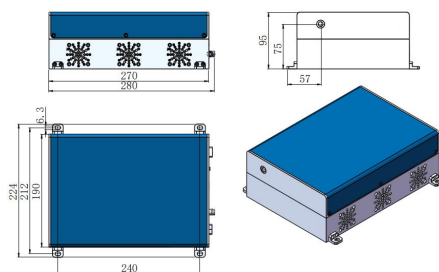
### SPECIFICATIONS

|                                        | FL-532-Nano-I                      | FL-532-Nano-II |
|----------------------------------------|------------------------------------|----------------|
| Wavelength (nm)                        | 532±1                              |                |
| Operating mode                         | Pulsed                             |                |
| Average power (mW) <sup>1</sup>        | 1-1000                             | 1-20W          |
| Power stability (rms, 4 hours ±3°C)    | <3%, <2%                           |                |
| Pulse duration (ns) <sup>2</sup>       | 0.5-50                             | 4,8,14,20,30   |
| M <sup>2</sup>                         | <1.8                               | <1.3           |
| Rep. rate <sup>3</sup>                 | 100kHz-1MHz                        | 20kHz-1MHz     |
| Polarization ratio (dB)                | >15 Horizontal (Vertical optional) |                |
| Warm-up time (minutes)                 | <15                                |                |
| Delivery fiber length (m) <sup>4</sup> | 0.6                                | 4              |
| Cooled method                          | Air cooled                         |                |
| Operating temperature (°C)             | 15-35                              |                |
| Operating voltage (VDC)                | 12V/11.5A                          | 24V/21A        |
| Expected lifetime (hours)              | >10000                             |                |



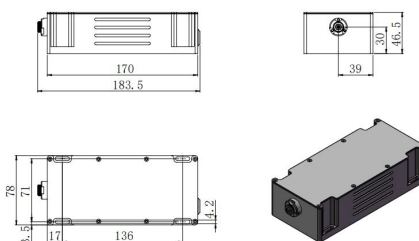
### LASER HEAD (Driver integrated) (FL-532-Nano-I)<sup>5</sup>

#### Fundamental Frequency

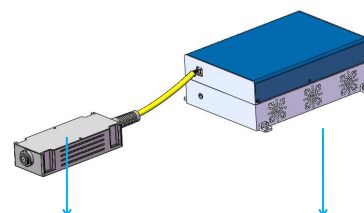


280(L)×224(W)×95(H) mm<sup>3</sup>, 3.5kg

#### Second harmonic



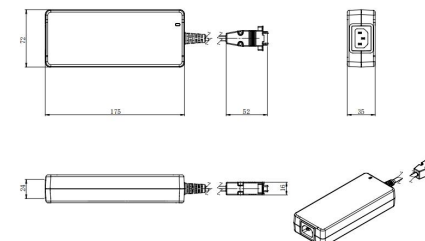
183.5(L)×78(W)×46.5(H) mm<sup>3</sup>, 1kg



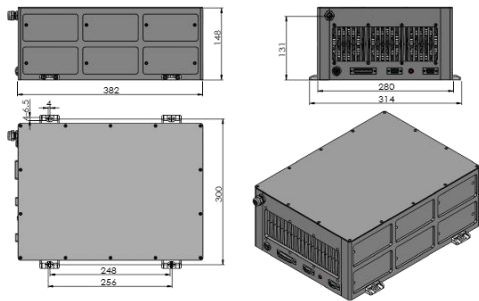
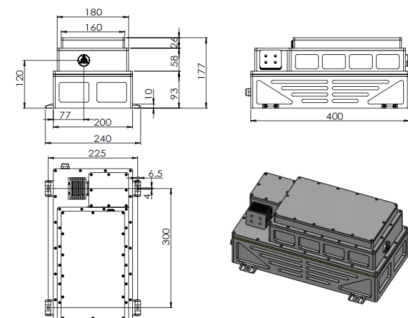
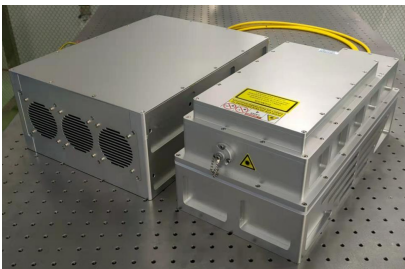
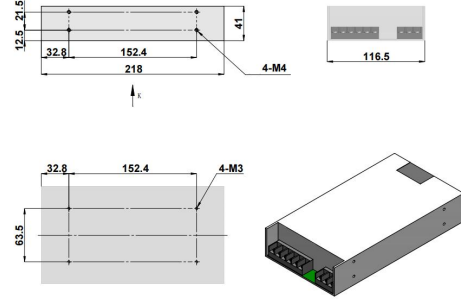
Second harmonic

FL-1064-Nano

### POWER SUPPLY (100-240VAC) optional



350(L)×185(W)×60(H) mm<sup>3</sup>, 0.7kg

| LASER HEAD (Driver integrated) (FL-532-Nano-II) <sup>6</sup>                                                                         |                                                                                                                                      |                                                                                     | POWER SUPPLY<br>(100-240VAC) optional                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Fundamental Frequency                                                                                                                | Second harmonic                                                                                                                      |                                                                                     |                                                                                                                                       |
|  <p>382(L)×314(W)×148(H) mm<sup>3</sup>, 13.3kg</p> |  <p>400(L)×240(W)×177(H)mm<sup>3</sup>, 11.6kg</p> |  |  <p>218(L)×116.5(W)×41(H)mm<sup>3</sup>, 1.1kg</p> |

1 Output power adjustable 10-100%;

2 One fixed value between 0.5-50ns; Pulse width 0.5-5ns or 5-50ns variable.

3 One fixed value between 0.1-1MHz. Repetition rate 0.1-1MHz variable and other frequency can be customized.

4 Other lengths are available on request.

5 Average power ≤1W.

6 Average power is 5-20W.