



FL-1064-Nano/0.5W-30W

SPECIFICATIONS

HIGH FREQUENCY ALL FIBER  
PULSED LASER

High frequency all fiber pulsed laser at 1064nm 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 radar, life science, material processing, microelectronics, scientific research, etc.



|                                     | I                           |       |         | II                      |
|-------------------------------------|-----------------------------|-------|---------|-------------------------|
| Wavelength (nm)                     | 1064±1                      |       |         |                         |
| Operating mode                      | Pulsed                      |       |         |                         |
| Average power (W) <sup>1</sup>      | 0.5-10                      |       |         | 10-30                   |
| Power stability (rms, 4 hours ±3°C) | <3%, <2%                    |       |         |                         |
| Pulse duration (ns)                 | 0.5-5                       | 5-100 | 100-250 | 4,8,14,20,30            |
| M <sup>2</sup>                      | <1.8                        |       |         | <1.3                    |
| Rep. rate                           | 100kHz-1MHz(adjustable)     |       |         | 20kHz-1MHz              |
| Fiber connector <sup>2</sup>        | FC/APC, Collimator optional |       |         | Collimator              |
| Fiber length (m) <sup>3</sup>       | 1                           |       |         | 4                       |
| Fiber jacket                        | PVC, Metal optional         |       |         |                         |
| Beam diameter (mm) <sup>4</sup>     | 4±1 (Collimator output)     |       |         | 6±1 (Collimator output) |
| Polarization ratio(dB)              | Random / > 15               |       |         |                         |
| Warm-up time (minutes)              | <15                         |       |         |                         |
| Cooled method                       | Air cooled                  |       |         |                         |
| Operating temperature (°C)          | 15-35                       |       |         |                         |
| Operating voltage (VDC/VAC)         | 12V/11.5A or 110/220VAC     |       |         | 24V/21A                 |
| Expected lifetime (hours)           | >10000                      |       |         |                         |



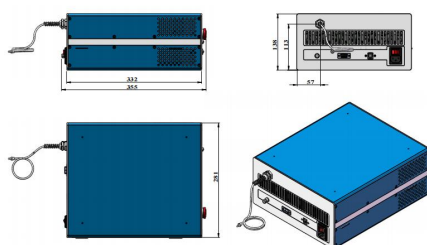
LASER HEAD (Driver integrated) (FL-1064-Nano-I)<sup>5</sup>

POWER SUPPLY  
(100-240VAC) optional

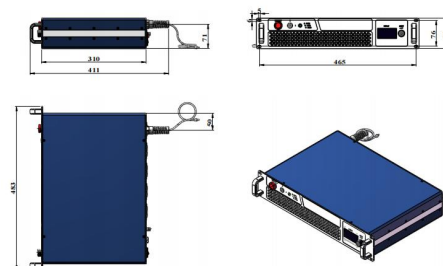
FL-1064-Nano-LAB (110/220VAC)<sup>6</sup>

FL-1064-Nano-IND (110/220VAC)<sup>7</sup>

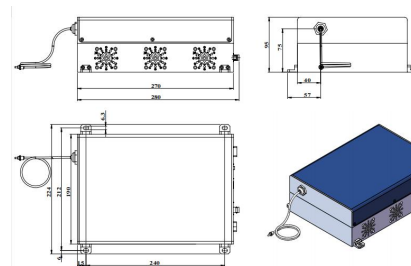
FL-1064-Nano-OEM (12VDC)<sup>8</sup>



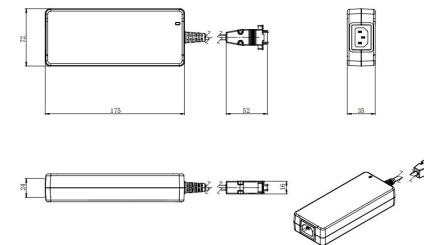
355(L)×281(W)×138(H) mm<sup>3</sup>, 5.5kg



483(L)×411(W)×89(H) mm<sup>3</sup>, 5kg

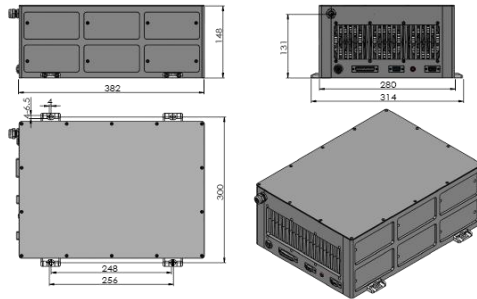


280(L)×224(W)×95(H) mm<sup>3</sup>, 3.5kg



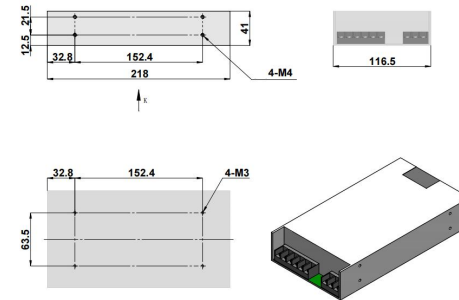
350(L)×185(W)×60(H) mm<sup>3</sup>, 0.7kg

LASER HEAD (Driver integrated) (FL-1064-Nano-II)<sup>9</sup>



382(L)×314(W)×148(H) mm<sup>3</sup>, 13.3kg

POWER SUPPLY  
(100-240VAC) optional



218(L)×116.5(W)×41(H)mm<sup>3</sup>, 1.1kg

- 1 Output power adjustable 10-100%;
- 2 Other output mode can be customized.
- 3 Other lengths are available on request.
- 4 Other beam diameter can be customized.
- 5 Average power  $\leq 10W$ .
- 6 Operating voltage is AC 110/220V and with a touch screen.
- 7 Operating voltage is AC 110/220V and with a adjustable knob.
- 8 Operating voltage is DC 12V and RS 232 control.
- 9 Average power is 10-30W.