

EO-213-Subnano-Hi/1-100μJ/1-500mW

## HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy diode pumped all solid state Q-switched laser at 213nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIF, OPO, fluorescence lifetime measurement and so on.

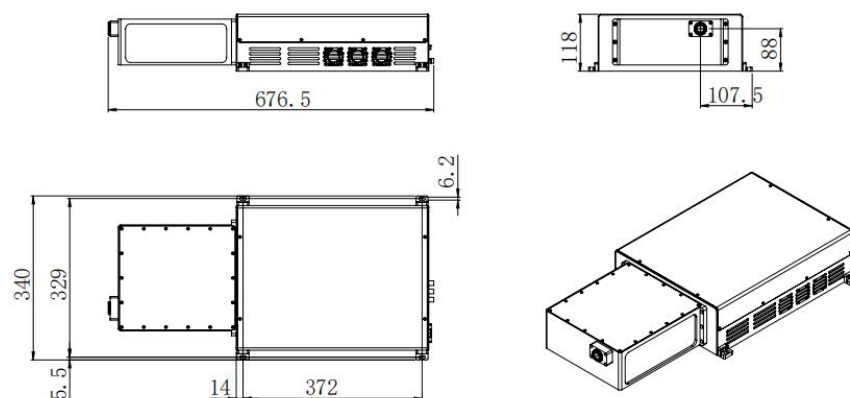


### SPECIFICATIONS

|                                       |                            |              |
|---------------------------------------|----------------------------|--------------|
| Wavelength (nm)                       | 213±1                      |              |
| Operating mode                        | Actively                   |              |
| Single pulse energy (μJ) <sup>1</sup> | 1-40@5kHz                  | 40-100@5kHz  |
| Average power (mW)                    | 1-200@5kHz                 | 200-500@5kHz |
| Power stability (rms, 4 hours ±3°C)   | <5%                        |              |
| Pulse duration (ns)                   | <1.5@5kHz                  | ~2@5kHz      |
| Rep. rate <sup>2</sup>                | 100Hz-10kHz                |              |
| Beam diameter (mm)                    | ~1.5                       |              |
| Beam divergence, full angle (mrad)    | ≤3                         |              |
| Cooled method <sup>3</sup>            | Air cooled or water cooled |              |
| Warm-up time (minutes)                | <15                        |              |
| Operating voltage (VDC)               | 24V/21A                    |              |
| Operating temperature (°C)            | 15-30                      |              |
| Expected lifetime (hours)             | >10000                     |              |

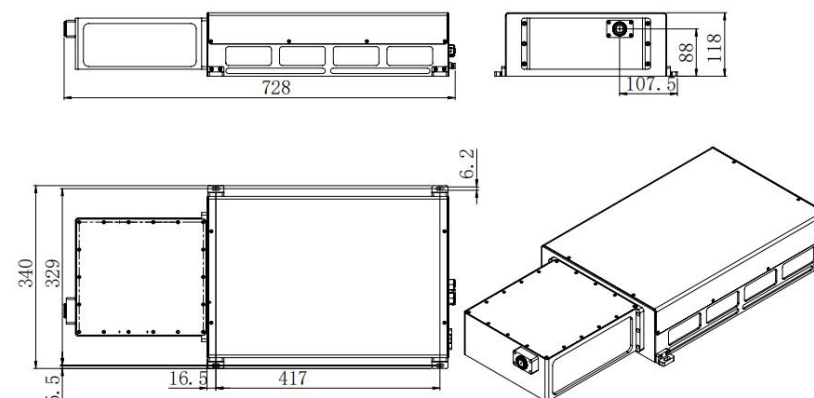


LASER HEAD (Driver integrated)<sup>4</sup>



676.5(L)×340(W)×118(H)mm<sup>3</sup>, 22kg

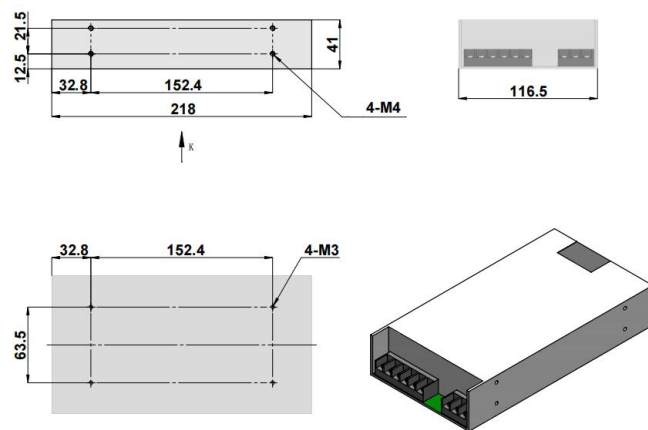
LASER HEAD (Driver integrated)<sup>5</sup>



728(L)×340(W)×118(H)mm<sup>3</sup>, 24kg

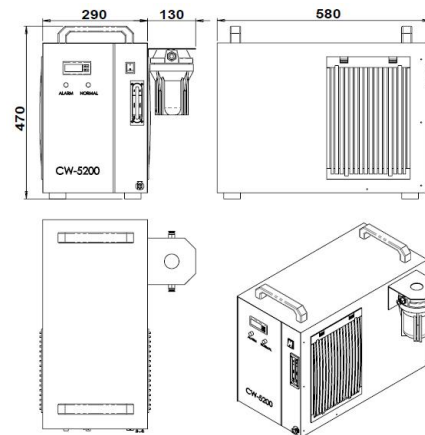
Website: <http://www.cnilaser.com> E-mail: [sales@cnilaser.com](mailto:sales@cnilaser.com) Tel: +86-431-85603799 Fax: +86-431-89216068

POWER SUPPLY (100-240VAC) optional



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

WATER CHILLER (WCH-1500)



580(L) ×290(W) ×470(H) mm<sup>3</sup>, 24 kg

- 1 The energy and output power was measured at 5kHz, the value varies with different frequency .
- 2 One fixed value between 100Hz-10kHz. Repetition rate 100Hz-10kHz variable can be customized.
- 3 Air cooled ( $\leq 1$ kHz); Water cooled (all frequency).
- 4 Air cooled.
- 5 Water cooled.