

DPS-1064-Neoma/1-50mJ

SPECIFICATIONS

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

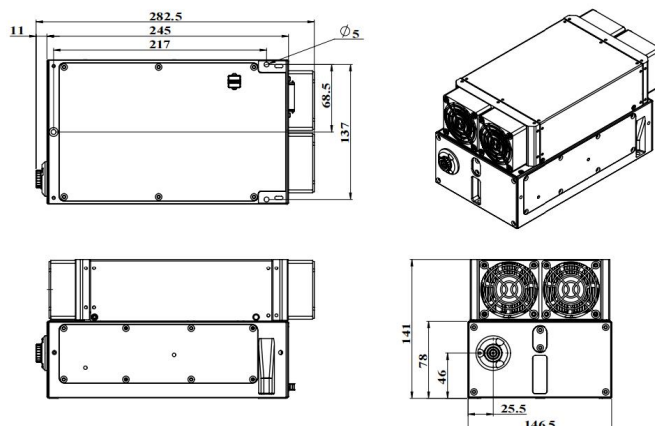
High energy diode pumped all solid state Q-switched laser at 1064nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.



|                                    |                      |
|------------------------------------|----------------------|
| Wavelength (nm)                    | 1064±1               |
| Operating mode                     | Actively             |
| Single pulse energy (mJ)           | 1-50                 |
| Pulse duration (ns)                | <13                  |
| Jitter (ns, Sdev)                  | <1ns (Int.)          |
| Rep. rate <sup>1</sup>             | 1-100Hz (adjustable) |
| Energy stability (std dev/mean)    | <3%, <2%, <1%        |
| Beam diameter (mm)                 | ~3.5×3.5             |
| Beam divergence, full angle (mrad) | ≤9                   |
| Warm-up time (minutes)             | <15                  |
| Beam height from base plate (mm)   | 46                   |
| Cooled method                      | Air cooled           |
| Operating temperature (°C)         | 15-35                |
| Operating voltage (VDC)            | 48V/7.3A             |
| Expected lifetime (pulses)         | 10 <sup>9</sup>      |
| Available options                  | Attenuator           |

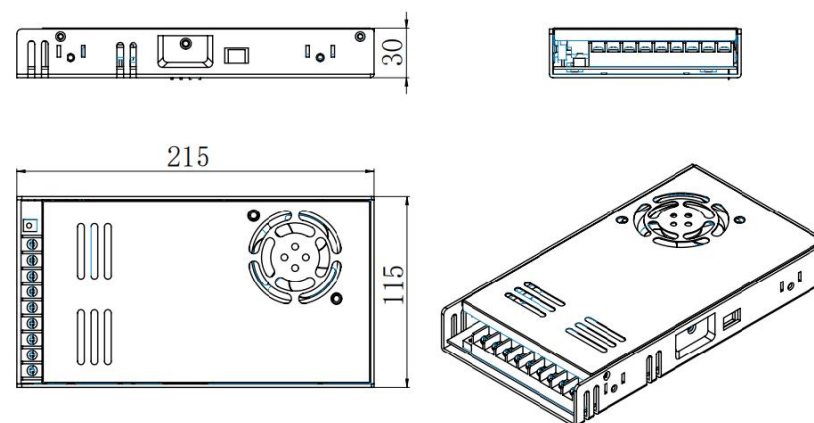


LASER HEAD (Driver integrated)



282.5(L)×146.5(W)×141(H)mm<sup>3</sup>, 7 kg

POWER SUPPLY (110/220VAC) optional



215(L)×115(W)×30(H)mm<sup>3</sup>, 0.76 kg

<sup>1</sup> Both internal trigger and external trigger are acceptable.

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