

DPS-532-J/1~20mJ

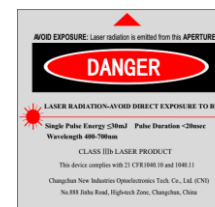
### HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

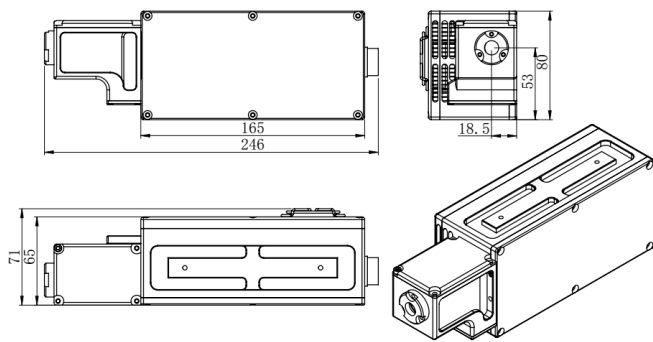
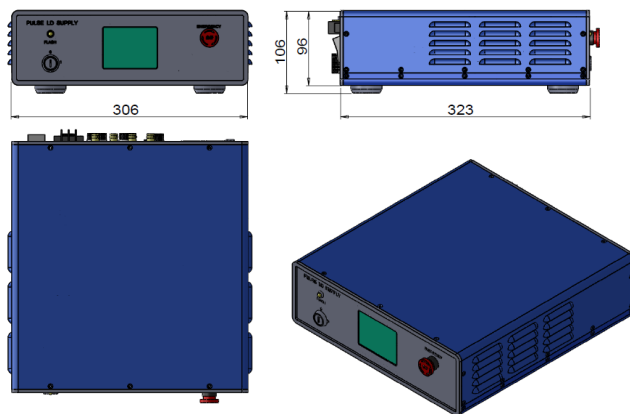
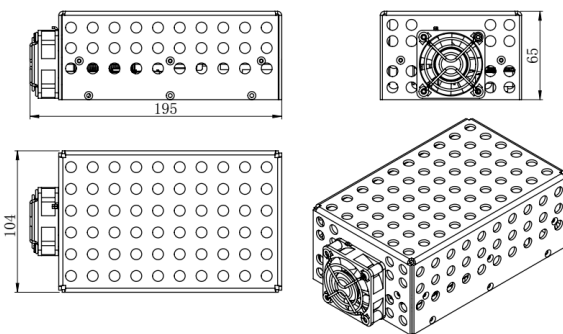
High energy diode pumped all solid state Q-switched laser at 532nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in laser ranging, LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.



#### SPECIFICATIONS

|                                    |  |
|------------------------------------|--|
| Wavelength (nm)                    | 532±1                                      |
| Operating mode                     | Q-switched: EOM (Electro-optic modulation) |
| Single pulse energy (mJ)           | 20   |
| Pulse duration (ns)                | ~10  |
| Rep. rate (Hz)                     | 1~20, EXT (adjustable)                     |
| Energy stability (rms)             | <3%, <5%                                   |
| Beam divergence, full angle (mrad) | <3   |
| Beam diameter (mm)                 | ~4   |
| Warm-up time (minutes)             | <15  |
| Beam height from base plate (mm)   | 53   |
| Cooled method                      | Air cooled                                 |
| Operating temperature (°C)         | -30~60                                     |
| Power supply (220V AC/24V DC)      | PSU-DPS-J                                  |
| Expected lifetime (pulses)         | 10 <sup>9</sup>                            |
| Warranty period                    | 1 year                                     |



| DPS-532-J  | PSU-DPS-J (220V AC)   | PSU-DPS-J (OEM, 24V)  |
|--|---|---|
|  <p>246 (L) × 71 (W) × 80 (H) mm<sup>3</sup>, 4 kg</p> |  <p>323 (L) × 306 (W) × 106 (H) mm<sup>3</sup>, 6 kg<br/>Rep. Rate and Current can be adjusted by touch screen</p> |  <p>195 (L) × 104 (W) × 65 (H) mm<sup>3</sup>, 4 kg</p> |