

DPS-1064-Q/5~40mJ

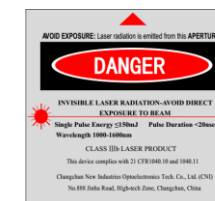
SPECIFICATIONS

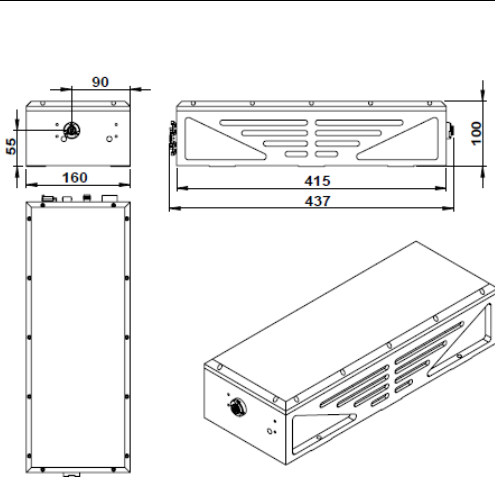
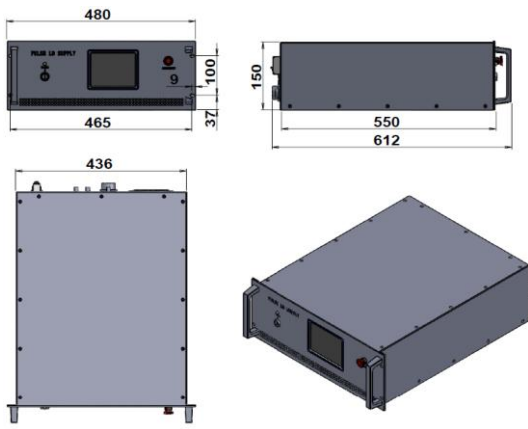
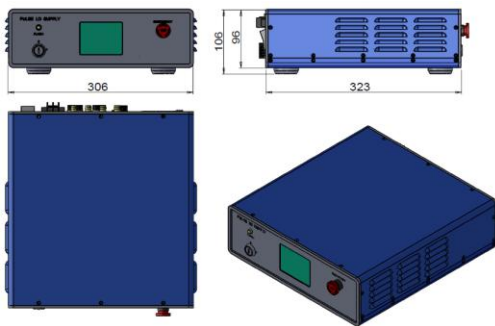
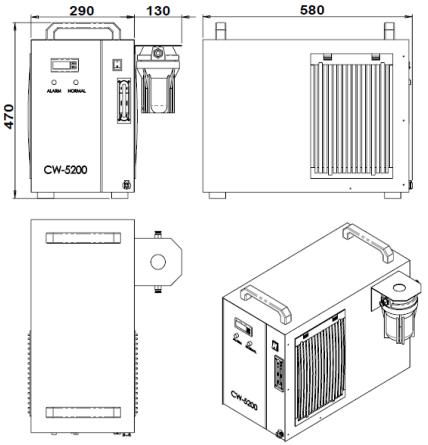
**HIGH ENERGY DIODE PUMPED  
ALL-SOLID-STATE  
Q-SWITCHED LASER**

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 PIV, LIF, LIBS, ICP-MS scientific research, laser processing, military, and so on.



|                                    |   |                    |      |     |     |
|------------------------------------|---|--------------------|------|-----|-----|
| Wavelength (nm)                    | 1064±1  |                    |      |     |     |
| Operating mode                     | Q-switched: EOM (Electro-optic modulation)                        |                    |      |     |     |
| Single pulse energy (mJ)           | 5   | 10                 | 20   | 30  | 40  |
| Pulse duration (ns)                | <12   | <12                | <12  | <10 | <10 |
| Rep. rate (Hz)                     | 1000  | 1~100 (adjustable) |      |     |     |
| Energy stability                   | <2%, <3%, <5%   |                    |      |     |     |
| Beam divergence, full angle (mrad) | <2  |                    |      |     |     |
| Beam diameter (mm)                 | ~1.5  | ~2                 | ~2.5 | ~3  | ~4  |
| Warm-up time (minutes)             | <15   |                    |      |     |     |
| Beam height from base plate (mm)   | 55  |                    |      |     |     |
| Cooled method                      | Water Cooled  |                    |      |     |     |
| Operating temperature (°C)         | 15~35   |                    |      |     |     |
| Power supply (220/110VAC)          | PSU-DPS-Q-II(3U) @1KHz, PSU-DPS-Q-I @100Hz                        |                    |      |     |     |
| Expected lifetime (pluses)         | 10 <sup>9</sup>   |                    |      |     |     |
| Warranty period                    | 1 year  |                    |      |     |     |
| Available options                  | Other repetition rates:100~1000Hz; Jitter:~1ns(Sdev); Accessories |                    |      |     |     |



| DPS-1064-Q   | PSU-DPS-Q-II (3U)  | PSU-DPS-Q-I  | WCH-1500   |
|--|--|--|--|
|  <p>415 (L) × 160(W) × 100(H) mm<sup>3</sup>, 7.5 kg</p> |  <p>612 (L) × 480(W) × 150(H) mm<sup>3</sup>, 15 kg<br/>Rep. Rate and Current can be adjusted by touch screen</p> |  <p>323 (L) × 306(W) × 106(H) mm<sup>3</sup>, 4 kg<br/>Rep. Rate and Current can be adjusted by touch screen</p> |  <p>580(L) × 290(W) × 470(H) mm<sup>3</sup>, 24 kg</p> |