

DPS-1064-A/1~10mJ

SPECIFICATIONS

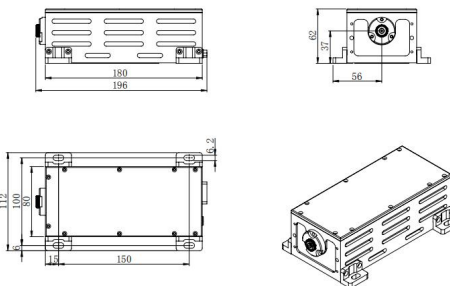
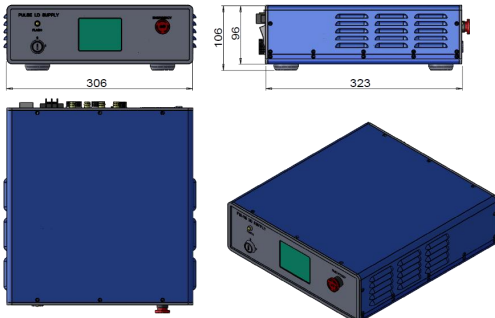
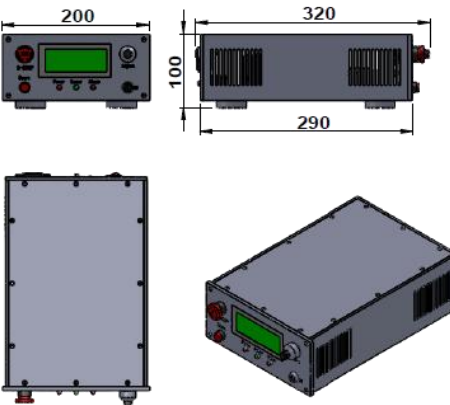
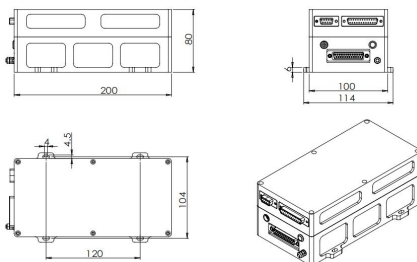
HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

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.



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|----------------------------------|---|------------------------------------|
| Wavelength (nm) | 1064±1 | |
| Operating mode | Q-switched:EOM(Electro-optic Modulation) | Q-switched: PM(Passive Modulation) |
| Single pulse energy (mJ) | 1~10 | |
| Pulse duration (ns) | <10 | |
| Rep. rate (Hz) | 1~10, EXT (adjustable) | |
| Energy stability (rms) | <5%, <3%, <2% | <5% |
| Beam divergence, full angle | <3 | |
| Beam diameter (mm) | ~3 | |
| Warm-up time (minutes) | <15 | |
| Beam height from base plate (mm) | 37 | |
| Cooled method | Conduction cooled | |
| Operating temperature (°C) | 15~30 | |
| Power supply (220V AC/24V DC) | PSU-DPS-A | |
| Expected lifetime (pulses) | 10 ⁹ | |
| Warranty period | 1 year | |
| Available options | Jitter(Sdev):~1ns (Electro-optic modulation); Battery power supply | |



| DPS-1064-A | PSU-DPS-A-II (220V) | PSU-DPS-A-I (220V) | PSU-DPS-A (OEM,24V) |
|---|---|--|--|
|  <p style="text-align: center;">196(L)×112(W)×62(H) mm³, 1.5kg</p> |  <p style="text-align: center;">323 (L) ×306(W) ×106(H) mm³, 6 kg Rep. Rate and Current can be adjusted by touch screen</p> |  <p style="text-align: center;">320(L)×200(W)×100(H) mm³, 4kg</p> |  <p style="text-align: center;">200(L)×114(W)×80(H) mm³, 1.6kg</p> |