

LPS-1064-S/50~300mJ

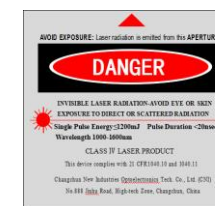
## HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

High energy lamp pumped 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 in PIV, LIF, LIBS, ICP-MS, Raman, scientific research, military ,and so on.



### SPECIFICATIONS

|                                    |  |     |     |     |
|------------------------------------|--|-----|-----|-----|
| Wavelength (nm)                    | 1064±1   |     |     |     |
| Operating mode                     | Q-switched: EOM (Electro-optic modulation)                                   |     |     |     |
| Single pulse energy (mJ)           | 50   | 100 | 200 | 300 |
| Pulse duration (ns)                | <10  | <10 | <8  | <8  |
| Rep. rate (Hz)                     | 1~10 (adjustable)  |     |     |     |
| Energy stability                   | <1%, <2%, <3%, <5%   |     |     |     |
| Beam divergence, full angle (mrad) | ~1   | ~1  | ~1  | ~3  |
| Beam diameter (mm)                 | <6   | <6  | 6   | 7   |
| Warm-up time (minutes)             | <15  |     |     |     |
| Beam height from base plate (mm)   | 75   |     |     |     |
| Cooled method                      | Water Cooled   |     |     |     |
| Operating temperature (°C)         | 15~35  |     |     |     |
| Power supply (220/110VAC)          | PSU-LPS-S(3U)  |     |     |     |
| Expected lifetime (pulses)         | 10 <sup>7</sup> ~10 <sup>8</sup>   |     |     |     |
| Warranty period                    | 1 year   |     |     |     |
| Available Options                  | SHG Module; Higher repetition rates:≤20Hz; Jitter :~1ns (Sdev) ; Accessories |     |     |     |



| LPS-1064-S   | PSU-LPS-S (3U)  | WCH-1500  |
|--|---|---|
| <p>450(L) ×150(W) ×130(H) mm<sup>3</sup>, 14kg</p> | <p>480 (L) ×465(W) ×135(H) mm<sup>3</sup>, 15kg<br/>Rep. Rate and Voltage can be adjusted by touch screen</p> | <p>580(L) ×290(W) ×470(H) mm<sup>3</sup>, 24 kg</p> |