

DPS-532-E/1.5~4mJ

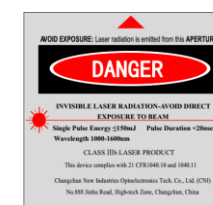
## HIGH ENERGY DIODE PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

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 LIBS, LIF, ICP-MS, LCD repair, scientific research, and so on.



### SPECIFICATIONS

|                                    |                                |                             |
|------------------------------------|--------------------------------|-----------------------------|
| Wavelength (nm)                    | 532±1                          |                             |
| Operating mode                     | Q-switched: EO (Electro-optic) |                             |
| Single pulse energy (mJ)           | 1.5                            | 4                           |
| Pulse duration (ns)                | <4                             |                             |
| Rep. rate (Hz)                     | 1~50 (Optional), EXT           |                             |
| Energy stability (rms)             | <3%, <5%                       |                             |
| Beam divergence, full angle (mrad) | <3                             |                             |
| Beam diameter (mm)                 | ~1                             |                             |
| Beam height from base plate (mm)   | 34                             | 77.5                        |
| Warm-up time (minutes)             | <15                            |                             |
| Cooled method                      | Conduction (DPS-532-E- I )     | Air cooled (DPS-532-E- II ) |
| Operating temperature (°C)         | 15~30                          |                             |
| Power supply ( 24V DC)             | PSU-DPS-E                      |                             |
| Expected lifetime (pulses)         | 10 <sup>9</sup>                |                             |
| Warranty period                    | 1 year                         |                             |



| DPS-532-E-I  | DPS-532-E- II                                      | PSU-DPS-E   |
|--|--|---|
| <p>230(L)×119(W)×54 (H)mm<sup>3</sup>, 3kg<br/>Heat dissipation is offered by customer</p> | <p>230(L)×122(W)×97.5 (H)mm<sup>3</sup>, 3.5kg</p> | <p>271 (L) ×140(W) ×112(H) mm<sup>3</sup>, 2.5 kg<br/>Rep. Rate and Current can be adjusted by touch screen</p> |