



# Lasertack New Laser Generation

DPS-355-Q/2~10mJ

## SPECIFICATIONS

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

High energy diode pumped all solid state Q-switched laser at 355nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in LIBS, LIF, PIV, ICP-MS, LCD repair, scientific research, laser processing, military, and so on.



|                                    |  |      |    |
|------------------------------------|--|------|----|
| Wavelength (nm)                    | 355±1                                      |      |    |
| Operating mode                     | Q-switched: EOM (Electro-optic modulation) |      |    |
| Single pulse energy (mJ)           | 2  | 5    | 10 |
| Pulse duration (ns)                | <10  |      |    |
| Rep. rate (Hz)                     | 1~100 (adjustable)                         |      |    |
| Energy stability                   | <4%  |      |    |
| Beam divergence, full angle (mrad) | <3   |      |    |
| Beam diameter (mm)                 | ~2   | ~2.5 | ~3 |
| Warm-up time (minutes)             | <15  |      |    |
| Beam height from base plate (mm)   | 55   |      |    |
| Cooled method                      | Water Cooled                               |      |    |
| Operating temperature (°C)         | 15~30                                      |      |    |
| Power supply (220VAC)              | PSU-DPS-Q-I                                |      |    |
| Expected lifetime (pulses)         | 10 <sup>9</sup>                            |      |    |
| Warranty period                    | 1 year                                     |      |    |



| DPS-355-Q   | PSU-DPS-Q-I   | Water Chiller  |
|---|---|--|
| <p>525 (L) × 160 (W) × 100 (H) mm<sup>3</sup>, 8 kg</p> | <p>Rep. Rate and Current can be adjusted by touch screen<br/>323 (L) × 306 (W) × 106 (H) mm<sup>3</sup>, 4 kg</p> | <p>580 (L) × 290 (W) × 470 (H) mm<sup>3</sup>, 24 kg</p> |