

LPS-355-S/20~80mJ

HIGH ENERGY LAMP PUMPED SOLID STATE Q-SWITCHED LASER

High energy lamp pumped 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.



SPECIFICATIONS

| | | | |
|------------------------------------|------------------------------------------------------------------|----|----|
| Wavelength (nm) | 355±1 | | |
| Operating mode | Q-switched: EOM (Electro-optic modulation) | | |
| Single pulse energy (mJ) | 20 | 50 | 80 |
| Pulse duration (ns) | <10 | | |
| Rep. rate (Hz) | 1~10 (adjustable) | | |
| Energy stability | <3%, <5% | | |
| Warm-up time (minutes) | <15 | | |
| Beam divergence, full angle (mrad) | <3 | | |
| Beam diameter (mm) | ~7 | | |
| 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 ⁸ | | |
| Warranty period | 1 year | | |
| Available Options | Higher repetition rates:≤20Hz; Jitter :~1 ns (Sdev); Accessories | | |



| LPS-355-S | PSU-LPS-S (3U) | WCH-1500 |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <p>650 (L) ×150 (W) ×130 (H) mm³, 15kg</p> | <p>480 (L) ×465 (W) ×135 (H) mm³, 15kg Rep. Rate and Voltage can be adjusted by touch screen</p> | <p>580 (L) ×290 (W) ×470 (H) mm³, 24 kg</p> |