

AO-U-532-HE/2mJ

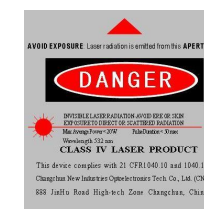
# SPECIFICATIONS

## LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

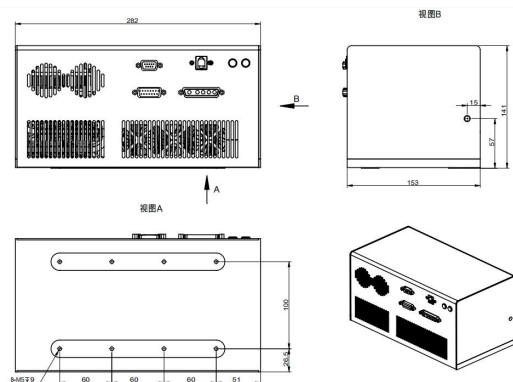
All solid state AOM Q-switched laser at 532 nm has the features of high energy, high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.



|                                                       |                                                                                    |
|-------------------------------------------------------|------------------------------------------------------------------------------------|
| Wavelength (nm)                                       | 532±1                                                                              |
| Operating mode                                        | Acousto-Optic Q-switched                                                           |
| Average power (W)                                     | 2W@1kHz; 4W@2kHz<br>Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz) |
| Single pulse energy (mJ)                              | ~2mJ @1kHz; ~2mJ @2kHz                                                             |
| Rep. rate (kHz)                                       | 0.001~10                                                                           |
| Pulse duration (ns)                                   | ~10 @1kHz                                                                          |
| Peak power (kW)                                       | ~200kW@1kHz                                                                        |
| Ave power stability (over 4 hours)                    | <5%, <3%, <2%, <1%                                                                 |
| Warm-up time (minutes)                                | <10                                                                                |
| M <sup>2</sup> factor                                 | <1.2                                                                               |
| Beam divergence, full angle (mrad)                    | <4                                                                                 |
| Beam diameter at the aperture (1/e <sup>2</sup> , mm) | ~1.0                                                                               |
| Beam height from base plate (mm)                      | 57                                                                                 |
| Polarization ratio                                    | >100:1, Vertical                                                                   |
| Cooled method                                         | Air cooled                                                                         |
| Operating temperature (°C)                            | 10~35                                                                              |
| Supply Voltage                                        | DC24V/20.9A                                                                        |

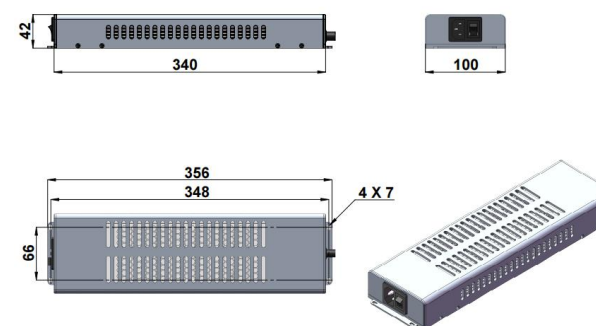


AO-U-532-HE



282 (L) ×153 (W) ×141 (H) mm<sup>3</sup>

PSU-24 (Power supply 100-240VAC )



DC24V 20.9A; 356(L) ×100 (W) ×42 (H) mm<sup>3</sup>,1.6kg