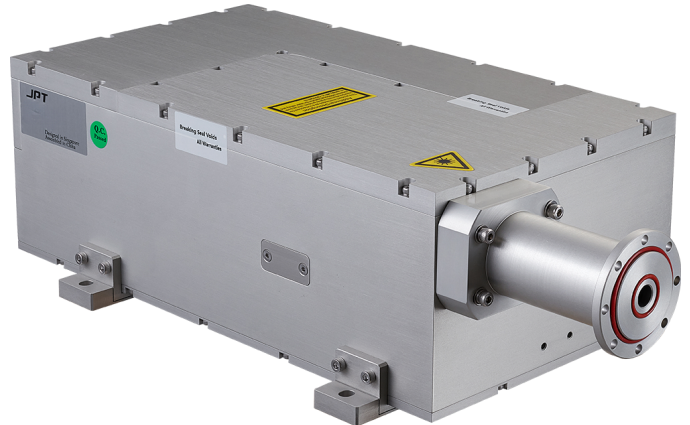


DPSS LASER

UV-12S-W-AIO

en | Data sheet | 1.1.1

- Compact all-in-one design
- Brilliant optical characteristics
- Strong response on various materials
- Outstanding cost-effectiveness

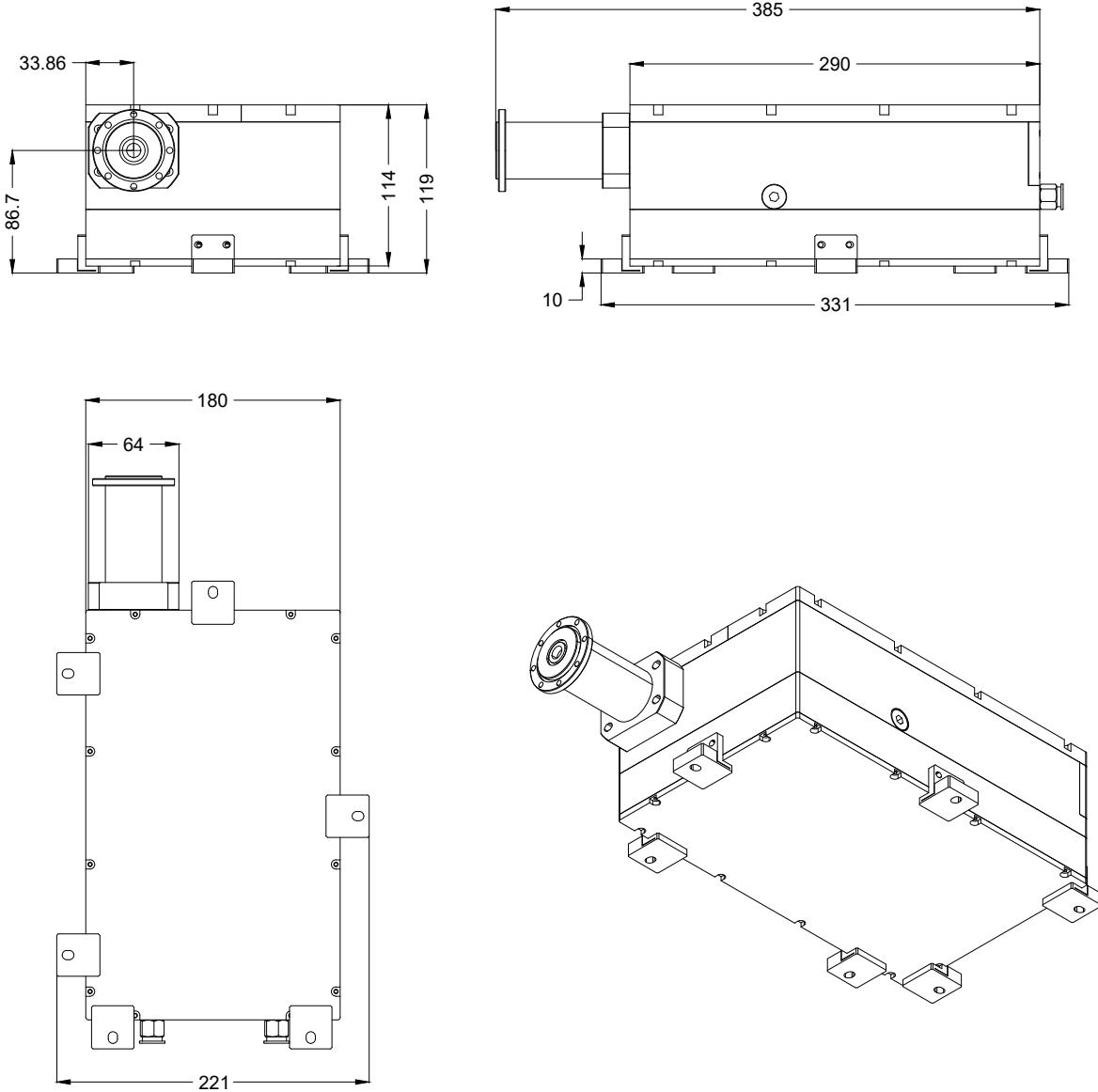


| | | | |
|-------------------------|------------------------|--------------------------------------|--------------------|
| Wavelength | 355 nm | Cooling method | Water |
| Nominal output power | 12 W @ 60 kHz | Cooling flowrate | 16 l/min |
| Laser operation mode | Pulsed | Cooling power | 1 kW |
| Beam quality (\leq) | 1.2 M ² | Supply voltage DC | 36 V |
| Pulse frequency | 40 – 300 kHz | Current consumption | 7 A |
| Max. peak pulse power | 20 kW | Power consumption @ 20°C | 250 W |
| Pulse width | 15 ns @ 60 kHz | Operation temperature | 10 – 35 °C |
| Max. pulse energy | 200 µJ @ 80 kHz | Storage temperature | -15 – 50 °C |
| Power instability Ø | 3% | Mechanical dimensions (W × D × H) | 180 × 302 × 114 mm |
| Polarization | Horizontal | Net weight | 8.8 kg |
| Beam diameter D4σ | 0.45 mm ^[1] | | |

Product customizations are possible on request.

^[1] Only available with pre-installed beam expander 6x / 10x.





JPT

Manufacturer

DPSS laser

UV-12S-W-AIO

Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

