## 1. Optical characteristics

| No. | Characteristics | Parameter value | Unit |
|---|---|---|---|
| 1 | Central wavelength | 355 | nm |
| 2 | Output power | > 10 | W |
| 3 | Repetition rate | single ~ 2 | MHz |
| 4 | Pulse width | < 15 | ps |
| 5 | Output power instability | < 3% | RMS |
| 6 | Beam quality $M^2$ | < 1.2 | / |
| 7 | Spot roundness | > 90% | / |
| 8 | Beam diameter ($1/e^2$) | 2.0 ± 0.5 | mm |
| 9 | Polarization direction | horizontal | / |
| 10 | Polarization ratio | > 100:1 | / |
| 11 | Divergence angle (full angle) | < 1 | mrad |
| 12 | Warm-up time | < 10 | min |

## 2. Electrical characteristics

| No. | Characteristics | Parameter value | Unit |
|---|---|---|---|
| 1 | Power supply voltage | 24 | VDC |
| 2 | Working current | < 20 | A |

| | | | |
|---|---|---|---|
| 3 | Power consumption | < 480 | W |
| 4 | Recommended power supply | ≥ 600 | W |

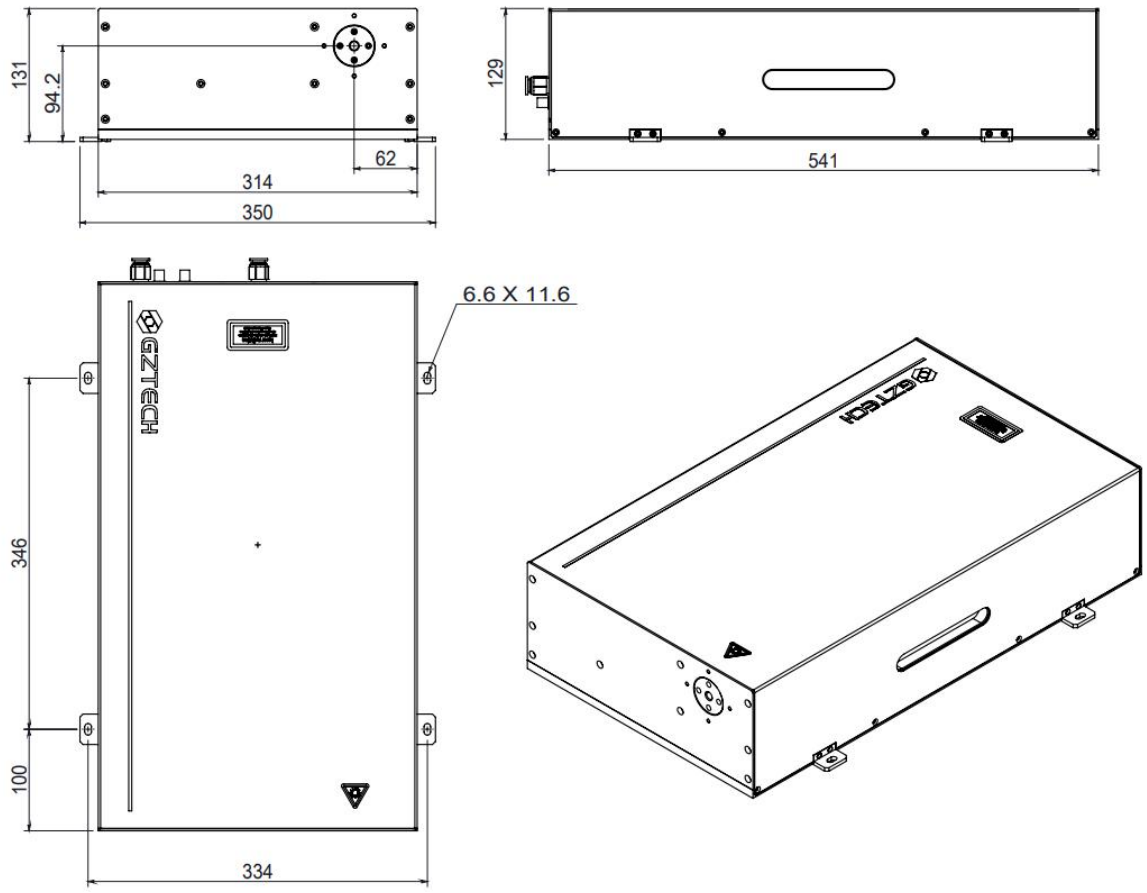
## 3. Environmental requirements

| No. | Characteristics | Parameter value | Unit |
|---|---|---|---|
| 1 | Operating temperature | 15 - 35 | ℃ |
| 2 | Storage temperature | -10 - 50 | ℃ |
| 3 | Ambient relative humidity | < 90%, no condensation | / |
| 4 | Cooling capacity | > 1000 | W |
| 5 | Water flow rate | > 6 | L/min |
| 6 | Water tank temperature control | 25 ± 0.1 | ℃ |
| 7 | Water pipe diameter (laser) | 10 | mm |

## 4. Structural characteristics

| No. | Characteristics | Parameter value | Unit |
|---|---|---|---|
| 1 | Laser dimension<br>(without feet and galvanometer adapter) | 541*314*131 | $mm^3$ |
| 2 | Carton dimension | 800*500*300 | $mm^3$ |
| 3 | Net weight | 28 | kg |
| 4 | Gross weight | 30 | kg |

## 5. Dimension




**Laser dimension**

## 6. Galvanometer connection tube

