



FPYL-1064-XXXW-Q

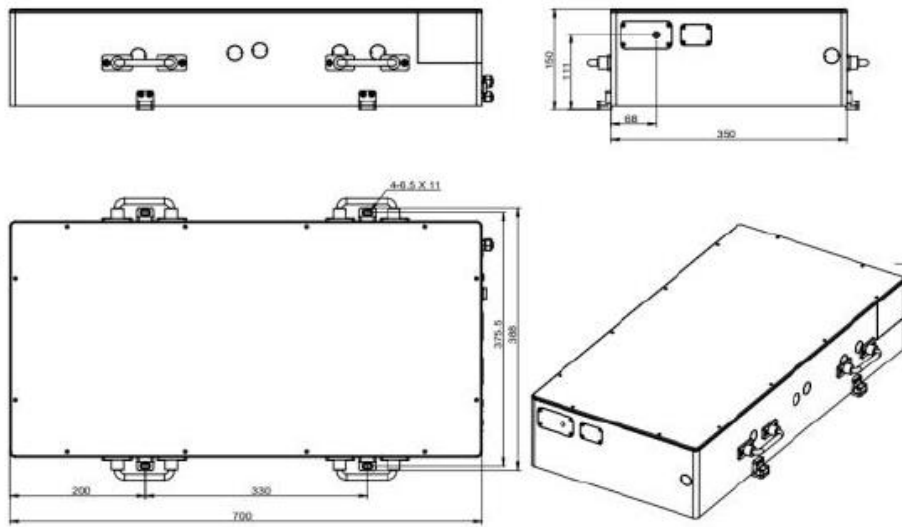
High Power Infrared Q-switched DPSS Laser

Specifications

| | |
|---|-------------------|
| Wavelength (nm) | 1064±1 |
| Average Output Power (W) | 1 ~ 100* (@1MHz) |
| Pulse Duration (ps) | <10 |
| Repetition Rate (MHz) | 0.4 ~ 2 |
| Power Stability (RMS, over 4 hours) | <1%, <3%* |
| Peak-to-Peak Stability (RMS, over 4 hours) | <2% |
| Transverse Mode | TEM ₀₀ |
| Beam Quality (M ²) | <1.2 |
| Beam Diameter at the Aperture (1/e ² , mm) | ~3 |
| Beam Diameter Circularity | >90% |
| Beam Divergence (full angle, mrad) | <1 |
| Polarization Ratio | >100:1 |
| Beam Height from Base Plate (mm) | 111 |
| Warm-up Time (minutes) | <20 |
| Cooling Methode | Water Cooling |
| Power Supply Voltage (V, AC) | 100 ~ 240 |
| Operating Temperature (°C) | 20 - 30 |

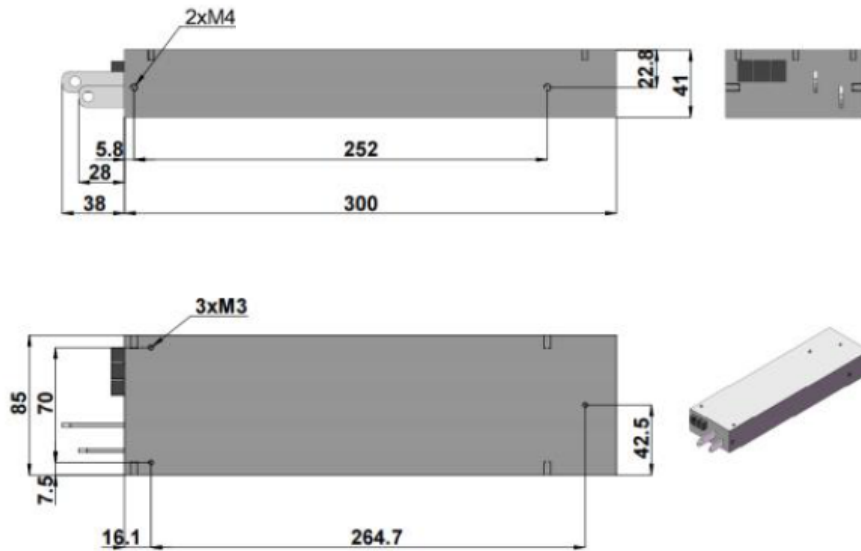
* To be specified

Laser Head Drawing



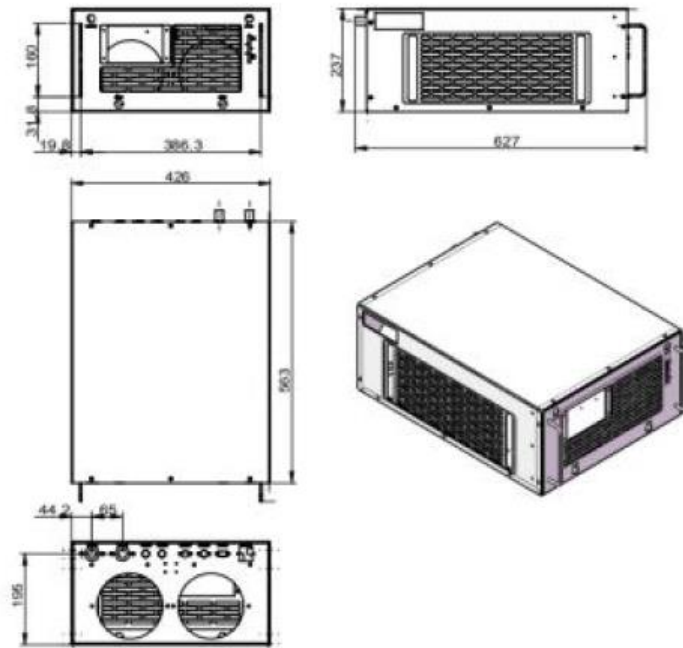
700 (L) × 388 (W) × 150 (H) mm³, 55 kg

Power Supply Drawing (Optional)



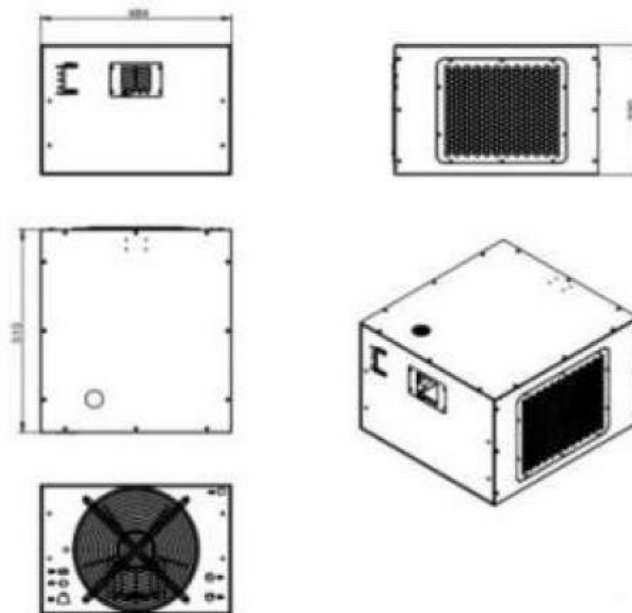
300 (L) × 85 (W) × 41 (H) mm³, 1.8 kg

Water Chiller Drawing (Ambient Temperature $\leq 27^{\circ}\text{C}^{\circ}$)



627 (L) × 426 (W) × 237 (H) mm³, 28 kg

Water Chiller Drawing (Ambient Temperature $> 27^{\circ}\text{C}^{\circ}$)



484 (L) × 515(W) × 330 (H) mm³, 30 kg