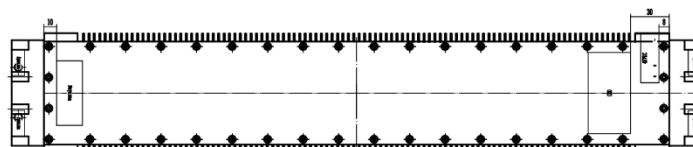
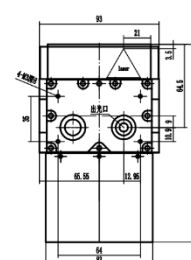
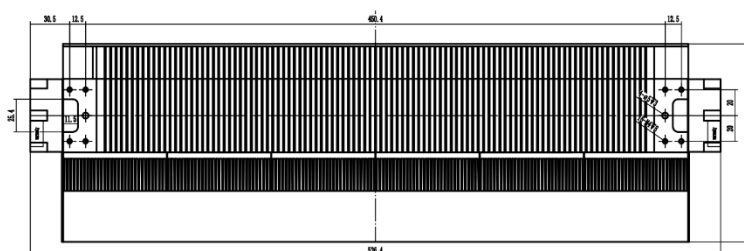
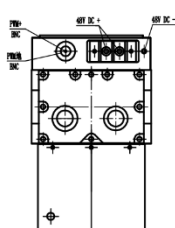


60W – CR60 RF CO2 Laser

The CR60 RF CO2 laser provides 60W output power, adopts the design of sealed waveguide and integrated RF power supply, and has high product reliability. It can work continuously for 7×24 hours in harsh industrial environments. The CR60 laser has excellent beam quality and power stability. The laser wavelength ranges from 9.3 to 10.6μm, and can be configured with air cooling and water cooling. These features make it the first choice for high-performance laser marking and engraving systems, and it only requires very low use and maintenance costs. The CR60 laser is an ideal choice for laser processing of many materials, including mobile phone film cutting, flexible integrated circuit drilling, on-the-fly marking, cutting, medical beauty, and 3D printing, etc.



CR60 Specification

| MODEL | CR60 | CR60h | CR60i |
|--|--|------------------|----------------|
| Wavelength (μm) | 10.55 - 10.63 μm | 10.11 - 10.31 μm | 9.24 - 9.35 μm |
| Output Power (W) ^① | > 60 W | > 60 W | > 50 W |
| Power Stability (%) ^{②③} | < ±5% | | |
| Mode Quality (M²) | < 1.2 | | |
| Beam Ellipticity | < 1.2 | | |
| Beam Diameter(1/e²) | 2 ± 0.2 mm | | |
| Full-Angle Beam Divergence (mrad) | < 7 | | |
| Light Outlet Height (mm) | 64.5 mm | | |
| Typical Polarization (parallel to baseplate) | > 100:1 | | |
| Pulse Frequency (kHz) | 0 - 50 kHz | | |
| Duty Cycle Limit (%) | 0 - 100% | | |
| Weight | 9.9 kg(Fan) / 8.8 kg(Water) | | |
| Dimensions (L x W x H) | 537 × 93 × 155 mm(Fan) / 570 × 93 × 95 mm(Water) | | |
| Cooling | Fan / Water | | |
| Heat Load (W) | 1 kW | | |
| Input Power | | | |
| DC Input Voltage (VDC) | 48 VDC | | |
| DC Input Current (A) | 20 A | | |
| Environment Condition | | | |
| Maximum Case Temperature | < 60°C | | |
| Environment Temperature | 5°C ~ 40°C | | |
| Altitude | < 2000m | | |
| Humidity | < 95%, Non-Condensing | | |
| Shipping / Storage Environment | -10°C ~ 60°C, Non-Condensing | | |
| Coolant | | | |
| Dynamic Coolant Flow Rate (l/min.) | 4L / min | | |
| Coolant Temperature Range | 20 - 25 °C | | |
| Coolant Maximum Pressure (kPa) | < 0.6 MPa | | |

The above specifications are subject to change without prior notice.

① Measured at temperature of 25°C. For every 1°C increase above 25°C, the output power decreased by approximately 1%

② Power Stability definition: At a constant water temperature, $\pm (P_{max}-P_{min})/(2P_{max})$

③ Power Stability measurement conditions: At normal working conditions, with a constant duty cycle, after 10 minutes of laser output