

CR150 Specification

MODEL	CR150	CR150i
Wavelength (μm)	10.5 - 10.7 μm	9.2 - 9.4 μm
Output Power (W) ^①	> 150 W	> 120 W
Power Stability (%) ^{②③}	< ±5%	
Peak Power(W)	> 380 W	>280 W
Mode Quality (M²)	< 1.2	
Beam Ellipticity	< 1.2	
Beam Diameter(1/e²)	2.2 mm	
Full-Angle Beam Divergence (mrad)	< 6.6	
Light Outlet Height (mm)	46.4 mm	
Typical Polarization (parallel to baseplate)	> 100:1	
Pulse Rise/Fall Time(μs)	< 60 μs	
Pulse Width	2 - 400 μs	
Pulse Frequency (kHz)	1 - 100 kHz	
Duty Cycle Limit (%)	0 - 50%	
Weight	15 kg	
Dimensions (L x W x H)	946 × 90 × 175 mm	
Cooling	Water	
Heat Load (W)	2kW	
Input Power		
DC Input Voltage (VDC)	48 VDC	
DC Input Current (A)	40 A	
Peak Current (A)	80 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.)	6L / 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