

CW green laser 20W/50W/100W/200W/300W/500W
一、 Product introduction:

Aiming at the severe splashing and other pain points when welding high reflective materials in the infrared band, Gongda laser launched the 532nm band model, which can weld copper and other high reflective materials with high efficiency, high quality and high repeatability by using the 532nm wavelength - without being affected by the surface properties of the materials. The spatter formed is reduced to a minimum and has high repeatability. Whether spot welding or wire welding - 532nm laser can ensure the reliability of heat conduction welding and deep penetration welding.

二、 Product features

1. Output wavelength 532nm
2. Output power up to 500W
3. Superior beam quality ($m^2 < 1.3$)
4. Water cooling, compact structure and stable operation
5. Integrated optical and electrical design

三、 Product application

1. Cutting and welding of high reflection materials such as copper
2. Glass scribing
3. FPC covering film cutting
4. Wafer cutting, scribing and drilling

四、 Product parameters

Model	GCL-20	GCL-50	GCL-100
Average power (W)	20	50	100
Working mode	Continuous / modulation		
Maximum modulation frequency (KHz)	5		
Central wavelength (nm)	532 (±3)		
bandwidth 3dB (nm)	<1		
Long term power stability (%)	<3		
Beam quality M^2	<1.3		
Working voltage (VAC)	220V		
Rated power consumption (kW)	0.6	1.2	1.6
Working ambient temperature (°C)	5~35		
Refrigeration mode	Water cooling		

型号 Model	GCL-200	GCL-300	GCL-500
Average power (W)	200	300	500
Working mode	Continuous / modulation		
Maximum modulation frequency (KHz)	5		
Central wavelength (nm)	532 (± 3)		
bandwidth 3dB (nm)	<1		
Long term power stability (%)	<3		
Beam quality M^2	<1.3		
Working voltage (VAC)	220V		
Rated power consumption (kW)	2	2.5	3.5
Working ambient temperature ($^{\circ}\text{C}$)	5~35		
Refrigeration mode	Water cooling		