



High power QCW green laser 100W/200W/300W/500W

一、 Product introduction:

High power QCW green laser has the characteristics of stability and reliability, and ensures economy while supporting high-precision processing. The laser adopts the integrated design of light and electricity. This series of products can be widely used in material micro processing, solar / photovoltaic industry processing, high anti metal welding and cutting, glass based ink removal / marking, PVD removal and other fields.

二、 Product features

1. Output wavelength 532nm
2. Output power up to 500W
3. Pulse width 1ns ~ 1.5ns
4. Water cooling, compact structure and stable operation
5. Integrated optical and electrical equipment

三、 Product application

1. Material micromachining
2. Solar / photovoltaic industry processing
3. Glass based ink removal / marking
4. FPC covering film cutting
5. PVD removal
6. Cutting and welding of high reflection materials

四、 Product parameters

Product model	Unit	GNPL-100-20	GNPL-200-20	GNPL-300-30	GNPL-500-50
Wavelength	nm	532			
Average power		准连续 QCW			
Working mode	W	>100	>200	>300	>500
Pulse width	ns	<1.5			
Repetition frequency	MHz	5	10	10	10
Beam quality	-	$M^2 < 1.3$			
Spot roundness	%	>90%			
Beam diameter	mm	3~6 ,1/e ²			
Polarization ratio	-	>100:1			
Polarization state	-	Linear			
Pulse stability	RMS	<2% RMS			
Power stability	RMS	<2% RMS			
Working temperature	°C	10~35			
Refrigeration mode	-	水冷 Water Cooling			
Overall size	mm	705×386×161			