

Nanosecond green laser 50W/80W/100W
一、 Product introduction:

Gongda laser's new industrial nanosecond green fiber 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, brazing, glass based ink removal / marking, PVD removal and other fields.

二、 Product features

1. Output wavelength 532nm
2. Output power up to 100W
3. Single pulse energy 100uj
4. Pulse width 1 ~ 2ns
5. Water cooling, compact structure and stable operation
6. Integrated optical and electrical design

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

4、 Product parameters

Product model	Unit	GNPL-50-100	GNPL-80-40	GNPL-100-50
Wavelength	nm	532nm		
Average power	W	50	80	100
Working mode	-	1 Burst	3 Burst	3 Burst
Pulse width	ns	<2.5	<2.5	<2.5
Repetition frequency	KHz	500	2000	2500
Pulse energy	uJ	100	40	50
Beam quality	-	M2<1.3		
Spot roundness	%	90		
Beam diameter	mm	3~6, 1/e2		
Polarization ratio		>100:1		
Pulse stability	%	<2% RMS		
Power stability	%	<2% RMS		
Working temperature	°C	10~35		
Refrigeration mode	-	水冷 Water Cooling		
Overall size	mm	705×368×161		