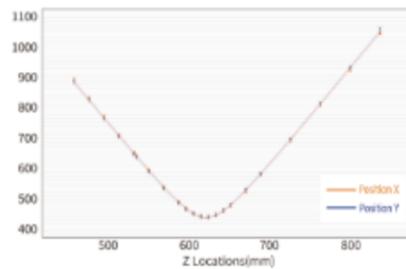


GR Picosecond Laser

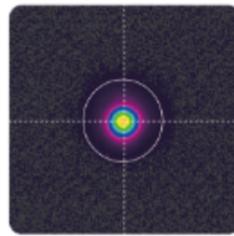
- Max power output: 100 W
- Beam quality: $M^2 < 1.3$, supports rear-end DOE shaping and PST function
- Control & functions: RS232, GATE, TRIG, and PSO support
- Design: Modular, stable, and easy to maintain



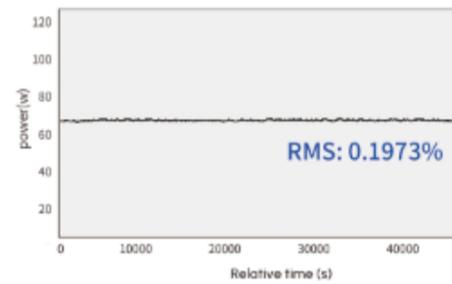
PRODUCT ADVANTAGES



Excellent beam quality

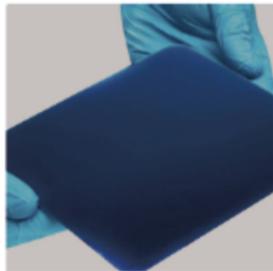


Typical spot size for high-power green picosecond lasers



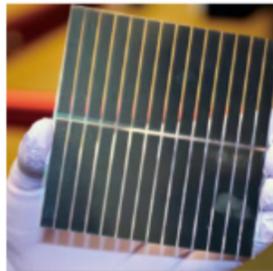
RMS power stability: 0.1973%

APPLICATION AREA



BC slotting

High-precision, low-damage, cost-effective, ideal for large-area pattern processing.



Perovskite marking

Precise depth control, base layer protection, and flexible channel width adjustment.



PI film cutting

Near-zero heat damage, no carbonization/yellowing, clean, burr-free edges.



TOPCon Poly thinning process

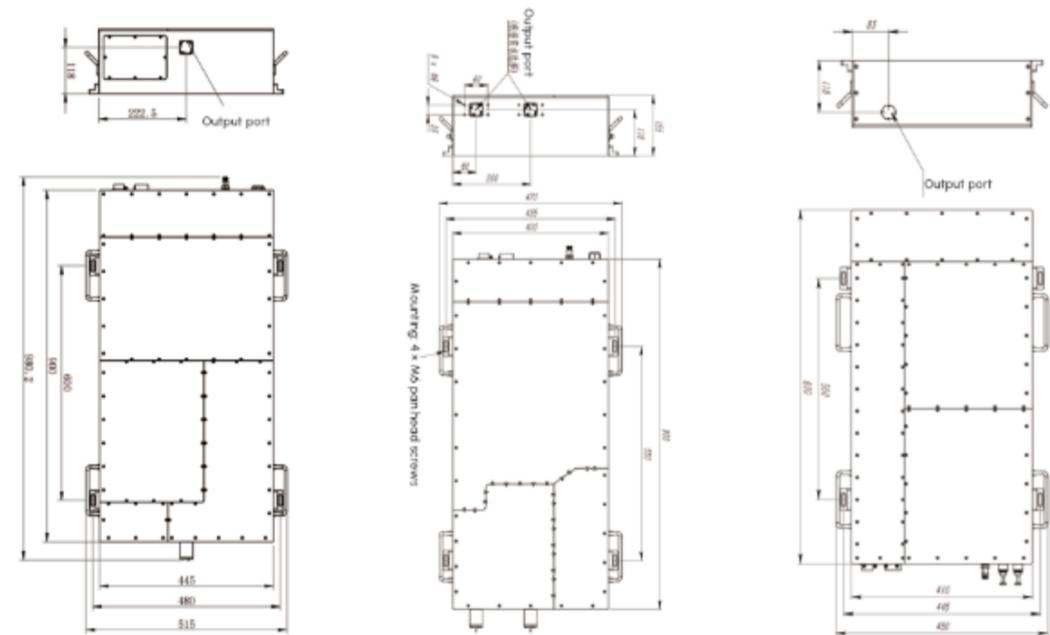
Cold processing, high precision (etching width $< 20 \mu\text{m}$), flexible parameters, and stable performance.

TECHNICAL INDICATORS

Parameter	Green (GR) Picosecond Laser				
	PHGR Series		PMGR Series		PLGR Series
Product series	GR-100	GR-60	GR-40	GR-30	GR-10
Wavelength	532nm				
Repetition rate	400-2000KHz	400-2000KHz	400-2000KHz	300-2000KHz	200-2000KHz
Pulse width	10ps				
Average power	$\geq 100\text{W}$	$\geq 60\text{W}$	$\geq 40\text{W}$	$\geq 30\text{W}$	$\geq 10\text{W}$
Maximum pulse energy	$\geq 250\mu\text{J}$	$\geq 150\mu\text{J}$	$\geq 100\mu\text{J}$	$\geq 100\mu\text{J}$	$\geq 50\mu\text{J}$
Beam quality (M^2)	$M^2 < 1.3$				
Polarization extinction ratio	$> 100:1$				
Output beam diameter	2mm				
Beam divergence	$< 0.5 \text{ mrad}$				
Power stability(RMS)	RMS $< 0.8\%$		RMS $< 0.5\%$		
Cooling method	Purified water cooling				

Note: Other indicators can be customized. Please contact our sales team for details.

MECHANICAL DRAWING & DIMENSIONS



PHGR Series Dimension Chart

PMGR Series Dimension Chart

PLGR Series Dimension Chart