

PS-HG-1030A/1-5W

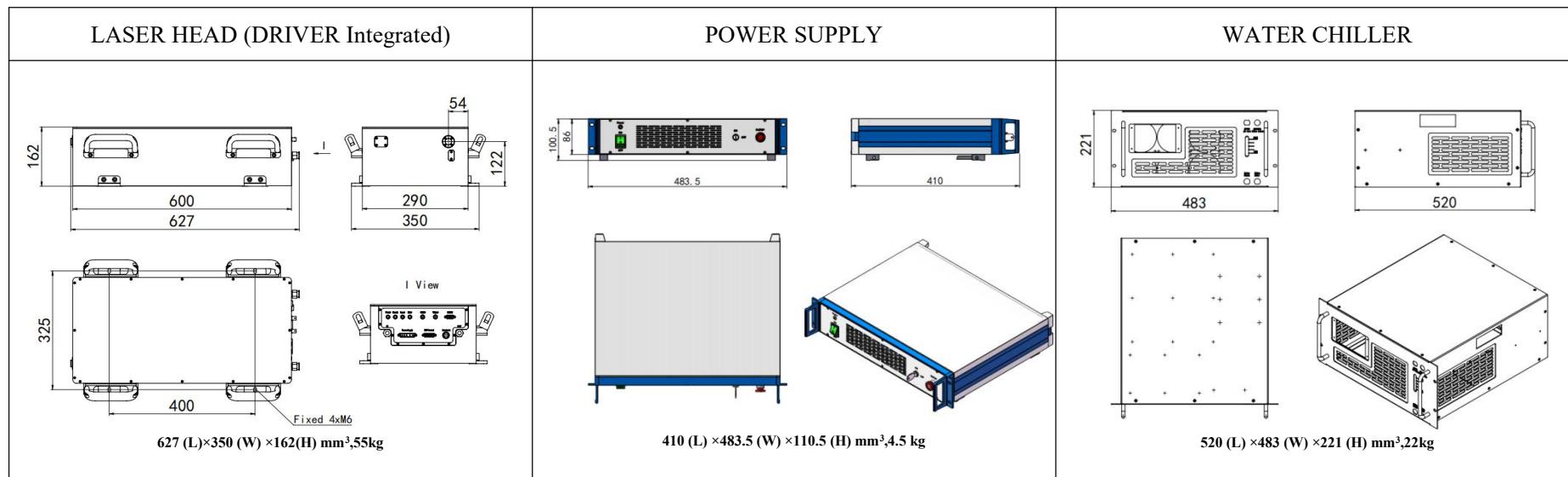
PICOSECOND PULSED LASER AT 1030nm

Picosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1030±1
Average power (W) ¹	1-5
Single pulse energy (nJ)	1-250
Rep. Rate(MHz) ²	20-120
Pulse duration (ps) ³	10±1
Peak power (MW)	0.5-1
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Transverse mode	TEM00
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e ² ,mm)	<2
M2	<1.3
Polarization ratio	>100:1 Vertical
Beam height from base plate (mm)	122
Cooled method	Water cooled
Operating temperature (°C)	10-35
Power supply (100-240VAC)	RAD1PS
Expected lifetime (hours)	>10000



1 One fixed value between 1-5W.

2 One fixed value between 20-120MHz.

3 One fixed value between 10-150ps.