

PS-HG-1030B/5-50W

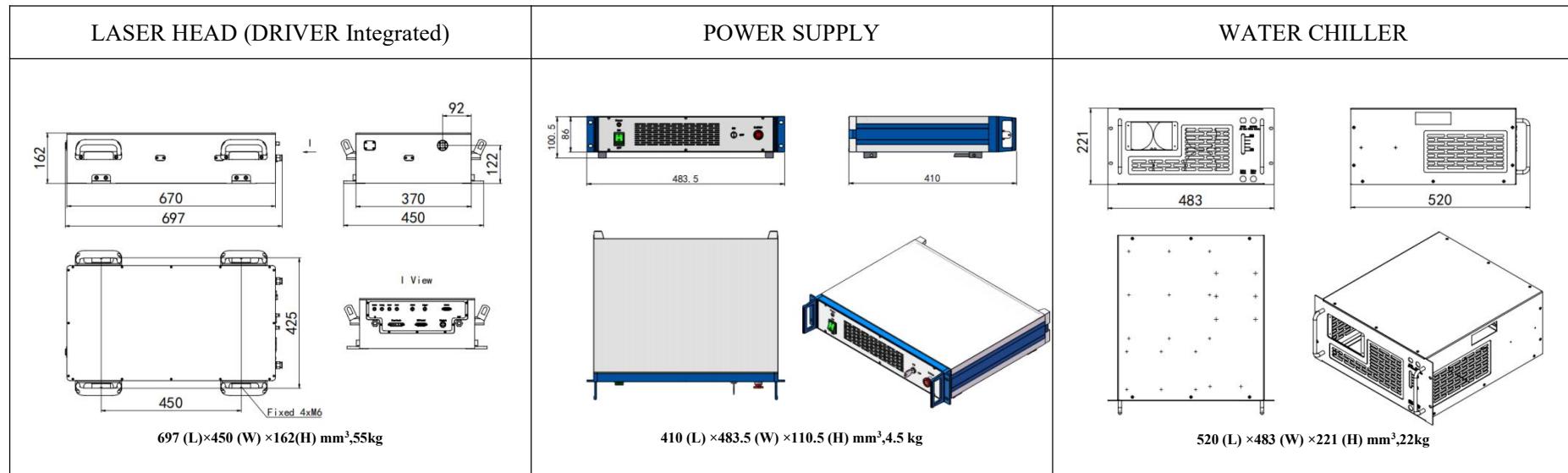
### PICOSECOND PULSED LASER AT 1030nm

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) <sup>1</sup>	5-50
Single pulse energy (uJ)	1-2.5
Rep. rate (MHz) <sup>2</sup>	20-120
Pulse duration (ps) <sup>3</sup>	10±1
Peak power (kW)	1-250
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Transverse mode	TEM <sub>00</sub>
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e <sup>2</sup> ,mm)	<3
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 5-40W.

2 One fixed value between 500-1000kHz.

3 One fixed value between 10-150ps.