

PS-HG-515/1-20W

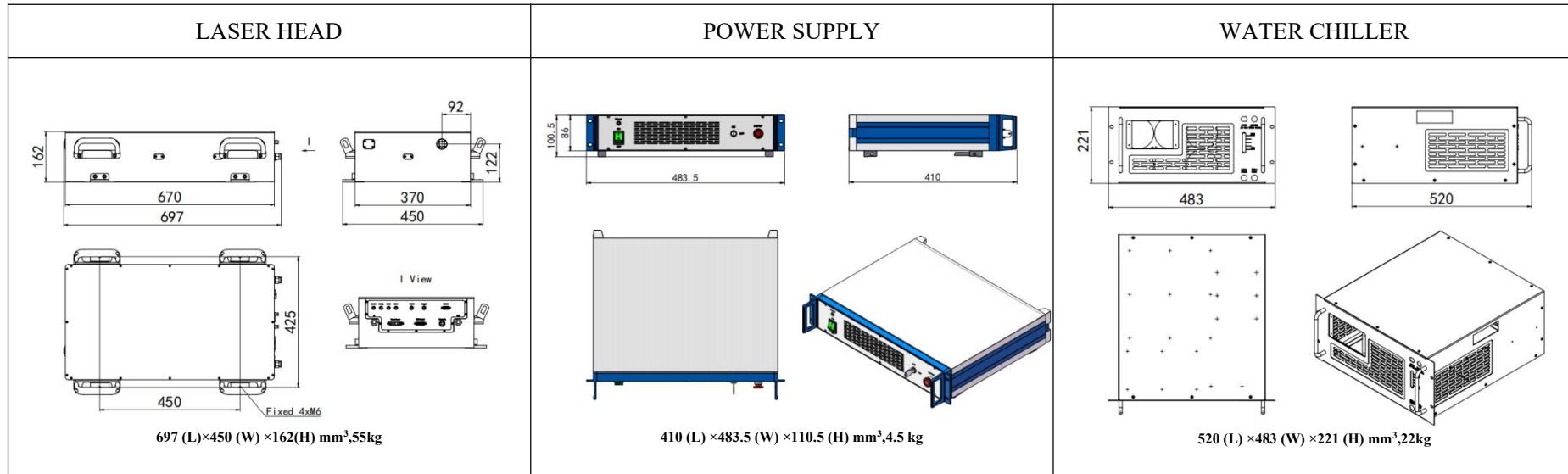
## PICOSECOND PULSED LASER AT 515nm

Picosecond pulsed laser at 515nm 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)	515±1
Operating mode	Passively
Average power (W) <sup>1</sup>	1-20
Single pulse energy (uJ)	0.05-1
Rep. rate (MHz) <sup>2</sup>	20-120
Pulse duration (ps) <sup>3</sup>	10-150
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
M <sup>2</sup>	<1.3
Polarization ratio	>100:1 Horizontal
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 1-20W.

2 One fixed value between 20-120MHz.

3 One fixed value between 10-150ps.