

PS-FG-1030/1-5W

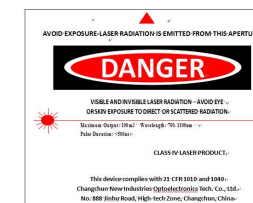
**PICOSECOND PULSED
LASER AT 1030nm**

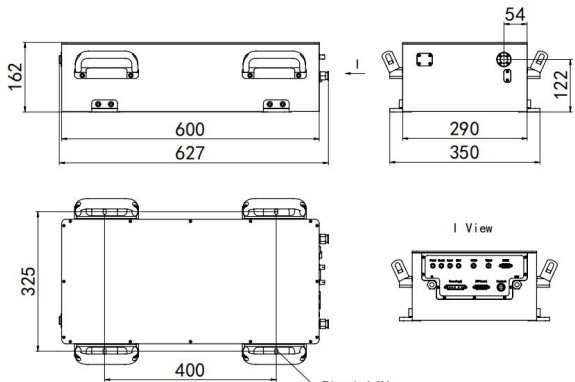
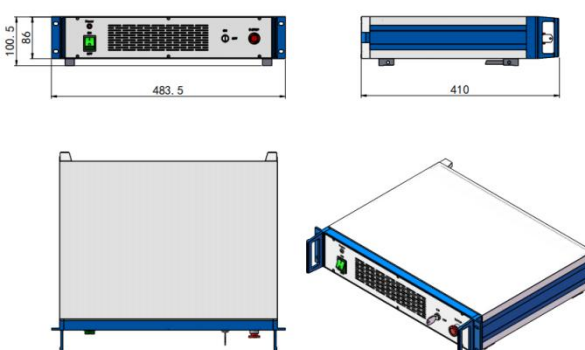
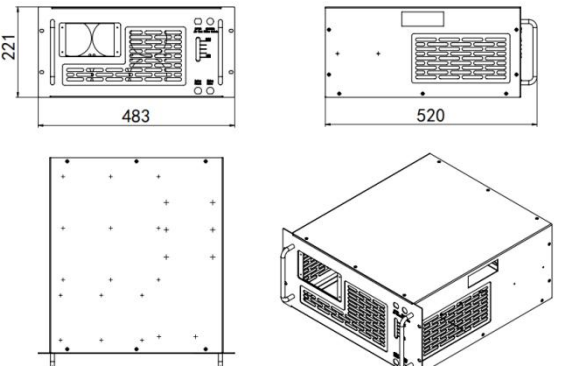
Picosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1030±1
Average power (W) ¹	1-5
Single pulse energy (uJ)	1-10
Rep. rate (kHz) ²	500-1000
Pulse duration (ps)	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/e2,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



LASER HEAD (DRIVER Integrated)	POWER SUPPLY	WATER CHILLER
 627 (L)×350 (W) ×162(H) mm³,55kg	 410 (L) ×483.5 (W) ×110.5 (H) mm³,4.5 kg	 520 (L) ×483 (W) ×221 (H) mm³,22kg

1 One fixed value between 1-5W.

2 One fixed value between 500-1000kHz.

PS-FG-1030/5-40W

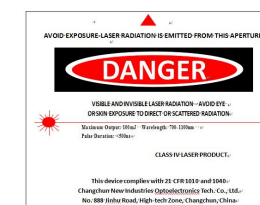
**PICOSECOND PULSED
LASER AT 1030nm**

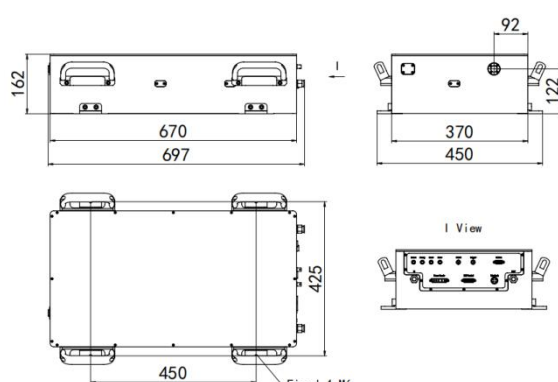
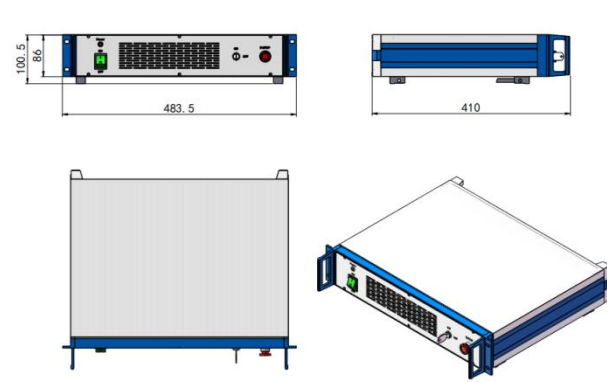
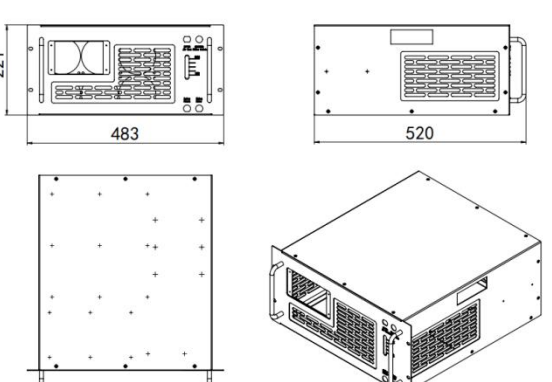
Picosecond pulsed laser at 1030nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.



SPECIFICATIONS

Wavelength (nm)	1030±1
Average power (W) ¹	5-40
Single pulse energy (uJ)	10-80
Rep. rate (kHz) ²	500-1000
Pulse duration (ps)	10±1
Peak power (MW)	4-8
Ave power stability (rms, 4 hours±3°C)	<5%, <3%
Warm-up time (minutes)	<10
Transverse mode	TEM ₀₀
Beam divergence, full angle (mrad)	<1.5
Beam diameter at the aperture (1/e2,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



LASER HEAD (DRIVER Integrated)	POWER SUPPLY	WATER CHILLER
 697 (L)×450 (W) ×162(H) mm³,55kg	 410 (L) ×483.5 (W) ×110.5 (H) mm³,4.5 kg	 520 (L) ×483 (W) ×221 (H) mm³,22kg

1 One fixed value between 5-40W.

2 One fixed value between 500-1000kHz.