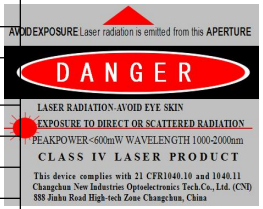
FS-Y-343/1~5W

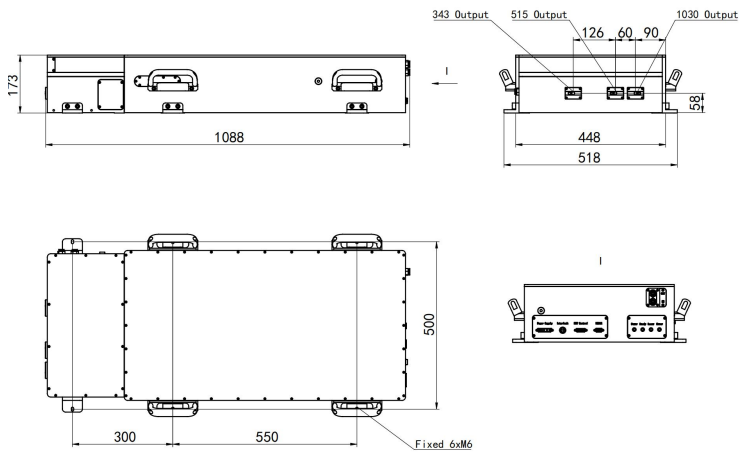
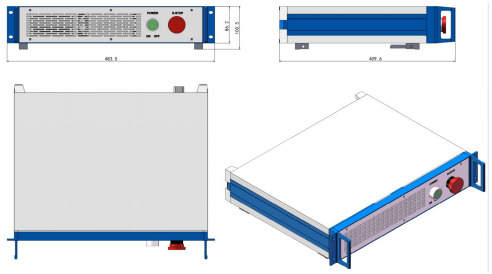
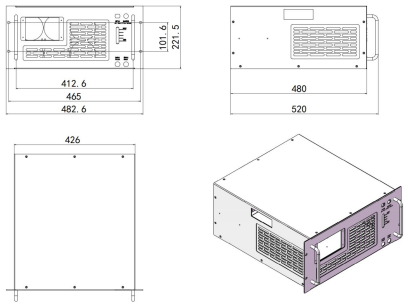
FEMTOSECOND PULSED LASER AT 343nm

Femtosecond pulsed laser at 343nm is made features of short pulse duration, high repetition rate, high average power and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	343±5
Average power (W)	1~5W (5W@1MHz)
Single pulse energy (μ J)	5(5 μ J @1MHz)
Rep. rate (MHz)	500kHz~2MHz
Pulse duration (fs)	<300fs @1MHz,5W.
Peak power (MW)	17 @1MHz
Ave power stability (over 4 hours)	<3%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
Beam quality(M^2)	<1.3
Beam divergence, full angle (mrad)	<3.0
Beam diameter at the aperture ($1/e^2$,mm)	~1.0
Polarization ratio	>100:1
Beam height from base plate (mm)	58
Cooled method	Water cooled
Operating temperature (℃)	15~35
Power supply (220/110VAC)	On request



FS-Y-343	Power supply	Water Chiller
		
1088(L) ×448(W) ×173(H) mm³,100 kg	483.5 (L) ×409.6(W) ×100.5(H) mm³, 4.5 kg	520(L)×482.6(W)×221.5(H) mm³, 22 kg

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