

PS-D-532/1~50W



**PICOSECOND PULSED LASER AT 532nm**

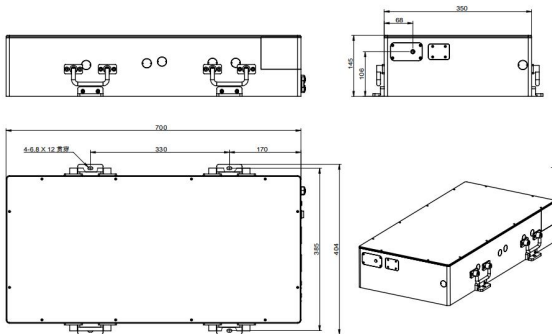
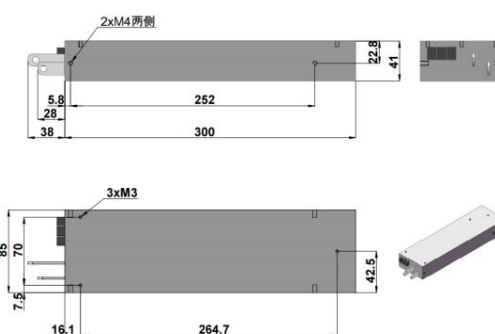
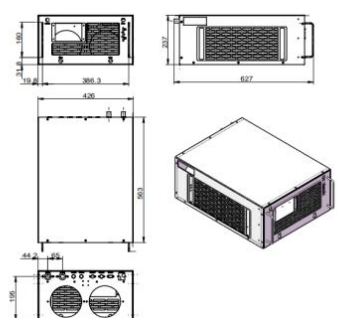
Picosecond pulsed laser at 532nm is made features of short pulse duration, high repetition rate and good beam quality, which is used in glass marking, sapphire marking, ceramic cutting, semiconductor cutting, solar panels coating, film scribing, etc.



**SPECIFICATION**

Wavelength (nm)	532±1
Output power (W)	1~50W@1MHz
Rep.rate(MHz)	400KHz~2MHz (Burst)
Pulse duration (ps)	<10
Power stability (rms, over 4 hours)	<3%, <1%
Peak-to-Peak stability ( rms ,over 4 hours)	<2 %
Transverse mode	TEM <sub>00</sub>
Beam Circularity (%)	>90
Beam quality (M <sup>2</sup> )	<1.2
Beam divergence, full angle (mrad)	<1
Beam diameter at the at the aperture (1/e <sup>2</sup> , mm)	~3
Polarization ratio	>100:1, Vertical
Beam height from base plate (mm)	106
Warm-up time (minutes)	<20
Operating temperature (°C)	20~30
Power supply	DC 36V/ 40A (optional)
Water Chiller	Water Chiller ( 5U-1 )



PS-D-532 <i>Integrated electronics</i>	Power supply 100-240VAC	Water Chiller ( 5U-1 ) Ambient Temperature ≤27°C
 <p>700 (L) ×404 (W) ×145 (H) mm<sup>3</sup>, 55 kg</p>	 <p>DC36V 40A;300 (L) ×85 (W) ×41 (H) mm<sup>3</sup>, 1.8 kg</p>	 <p>627 (L) ×426 (W) ×237 (H) mm<sup>3</sup>, 28 kg</p>