



AO-U-1064-HE/2mJ

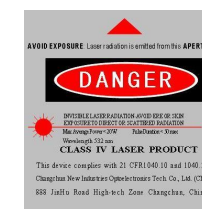
LD PUMPED ALL-SOLID-STATE AOM Q-SWITCHED LASER

All solid state AOM Q-switched laser at 1064 nm has the features of high energy, high peak power, high repetition rate, and short pulse duration, which is used in laser inner carver, laser marking, scientific research and so on.

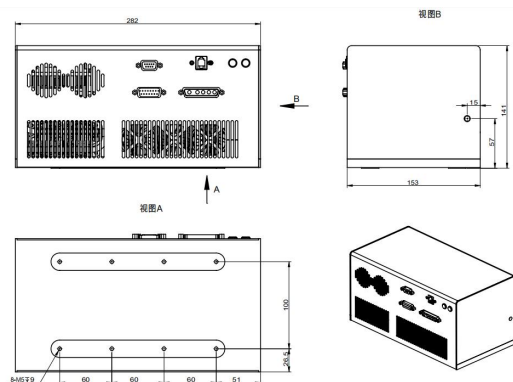


SPECIFICATIONS

Wavelength (nm)	1064±1
Operating mode	Acousto-Optic Q-switched
Average power (W)	2W@1kHz; 4W@2kHz Average power (W) = Single pulse energy (mJ) * Rep. rate (kHz)
Single pulse energy (mJ)	~2mJ @1kHz; ~2mJ @2kHz
Rep. rate (kHz)	0.001~10
Pulse duration (ns)	~12 @1kHz
Peak power (kW)	~160kW@1kHz
Ave power stability (over 4 hours)	<5%, <3%, <2%, <1%
Warm-up time (minutes)	<10
M ² factor	<1.2
Beam divergence, full angle (mrad)	<4
Beam diameter at the aperture (1/e ² , mm)	~1.0
Beam height from base plate (mm)	57
Polarization ratio	>100:1
Cooled method	Air cooled
Operating temperature (°C)	10~35
Supply Voltage	DC24V/20.9A

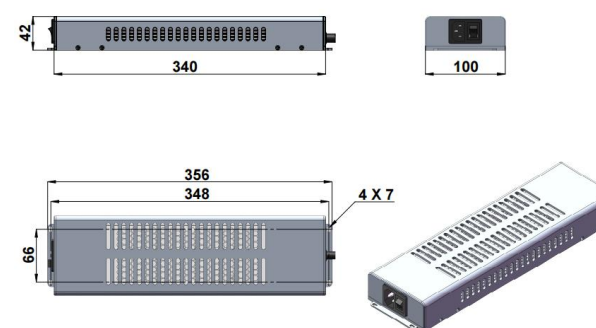


AO-U-1064-HE



282 (L) × 153 (W) × 141 (H) mm³

PSU-24 (Power supply 100-240VAC)



DC24V 20.9A; 356(L) × 100 (W) × 42 (H) mm³, 1.6kg