

MDL-III-514.5/1~50mW



**GREEN DIODE LASER
AT 514.5 nm**

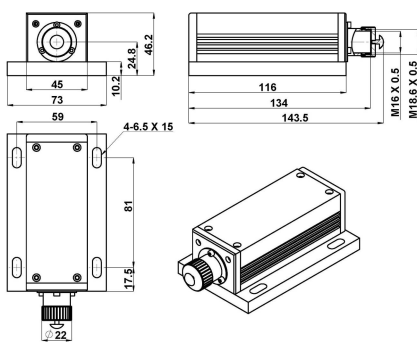
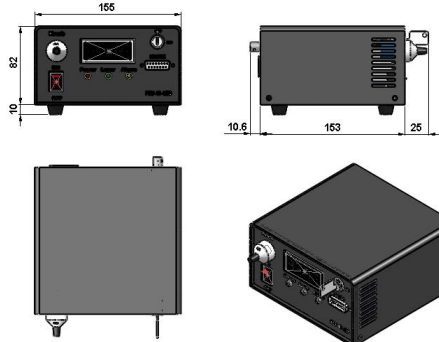
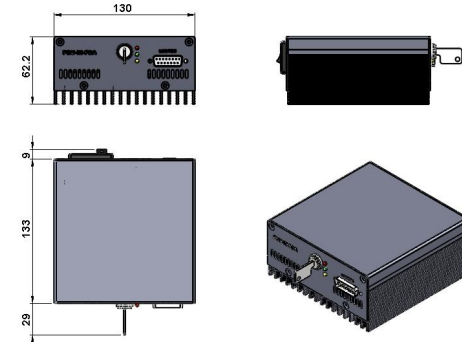

It features ultra compact design, long lifetime, cost-effectiveness and easy operation. They are the replacement for Argon laser and it is widely used in biological, medical, laser pumping, scientific research, etc.



SPECIFICATIONS

Wavelength (nm)	514.5±1	
Operating mode	CW	
Output power (mW)	>1, 2, 3, ..., 50	
Power stability (rms, over 4 hours)	<1%, <2%, <3% (<0.5%, optional)	
Transverse mode	Near TEM ₀₀	
Beam diameter at the aperture ((1/e ²),mm)	~3.0	
Beam divergence, full angle (mrad)	<1.0	
Warm-up time (minutes)	<5	
Pointing stability after warm-up (mrad)	<0.05	
Beam height from base plate (mm)	24.8	
Operating temperature (°C)	10~35	
Power supply	85-264VAC	PSU-III-LED/ PSU-III-FDA (Frequency for 1Hz-30kHz)
	100-240VAC	PSU-A-D (Frequency for 30kHz-100kHz)
TTL / Analog modulation	TTL or Analog with 1Hz-1kHz 1kHz-10kHz, 10kHz-30kHz, 30kHz-100kHz optional	
Expected lifetime (hours)	10000	
Warranty	1 year	



MDL-III-514.5	PSU-III-LED	PSU-III-FDA	PSU-A-D
 <p>143.5(L)×73(W)×46.2(H) mm³, 0.7kg</p>	 <p>188.6 (L)×155(W)×92 (H) mm³, 1.5kg</p>	 <p>171(L)×130(W)×62.2 (H) mm³, 1.2kg</p>	 <p>162(L)×144(W)×70 (H) mm³, 1.0kg</p>