



MRL-U series



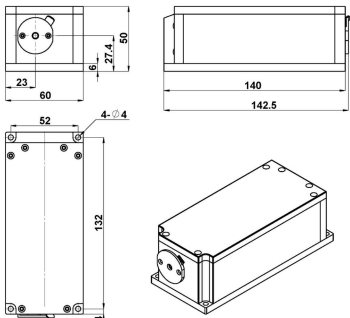
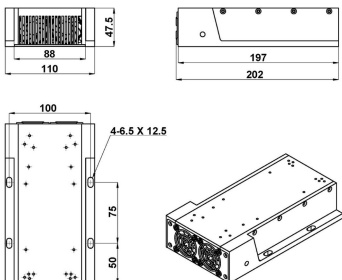
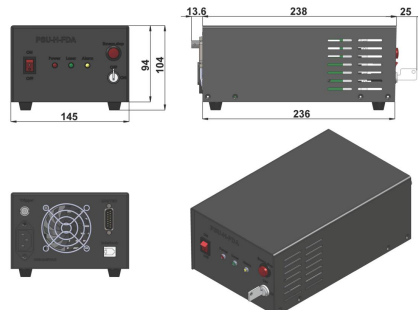
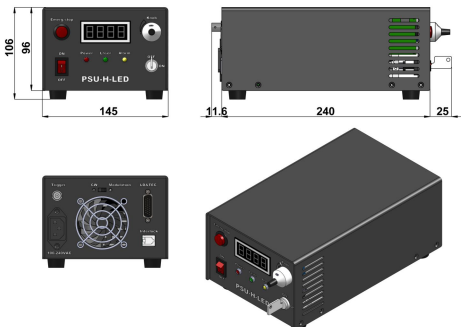
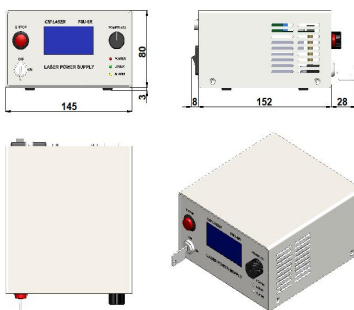
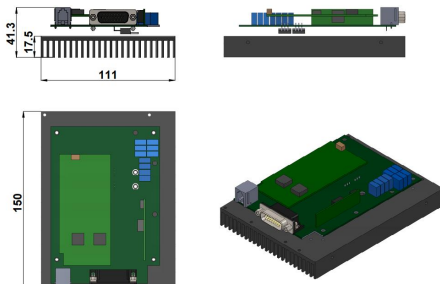
DPSS LASER

All-solid-state laser features an ultra-compact, long lifetime, high stability and reliability, which is used in scientific experiment, medical measurement, instrument, spectrum analysis, etc.



SPECIFICATIONS

Wavelength (nm)	671±1	
Operating mode	CW	
Output power (mW) ¹	200-300	300-500
Power stability (rms, 4 hours ±3°C)	<2%, <1%, <0.5%	<3%, <2%
Transverse mode	TEM ₀₀	
M ²	<1.2	
Beam diameter at the aperture (1/e ² , mm)	<1.0	
Beam divergence (mrad)	<1.5	
Polarization ratio	>100:1, Vertical (Horizontal optional)	
Warm-up time (minutes)	<5	
Pointing stability (urad) (over 2 hours after warm-up and ±3°C)	<50	
Pointing stability over temperature (urad/°C)	<8	
Beam height from base plate (mm)	27.4	
Laser head consumption (W)	15 (typical) , <25 (40°C)	
Operating temperature (°C)	10-35	
Modulation optional	DC-1kHz, 1kHz-10kHz, 10kHz-30kHz optional; TTL and Analog optional	
Power supply (100-240VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR	
Operating voltage (VDC)	PSU-SR-OEM(12V/25A)	
Expected lifetime (hours)	>10000	

LASER HEAD ²	HEATSINK (optional TC-02-FS)	POWER SUPPLY (PSU-H-FDA) ³
 142.5 (L)×60(W) ×50(H) mm³, 1.0 kg	 202(L)×110(W)×47.5(H) mm³, 1.25 kg	 276.6(L) ×145(W) ×103.6(H) mm³, 2.3 kg
POWER SUPPLY (PSU-H-LED) ⁴	POWER SUPPLY (PSU-SR) ⁴	DRIVER (PSU-SR-OEM) ³
 276.6 (L) ×145(W) ×106 (H) mm³, 2.6 kg	 188(L) ×145(W) ×83(H) mm³, 1.2kg	 150(L) ×111(W) ×41.3(H) mm³, 0.5 kg

1 Any power level can be selected in this range.

2 The laser head needs to be used on a heat sink with good heat dissipation.

3 Fixed output power; RS232 control optional.

4 Output power adjustable 10-100%; RS232 control optional.