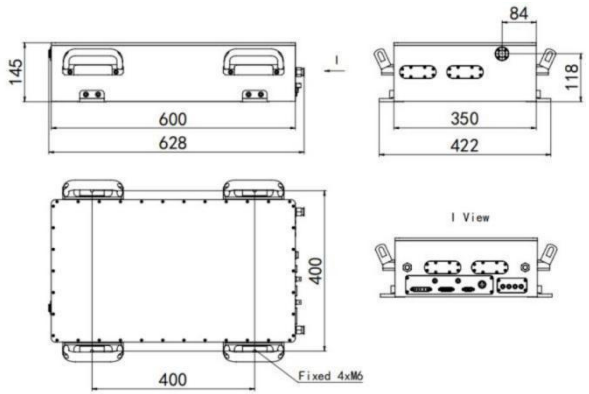
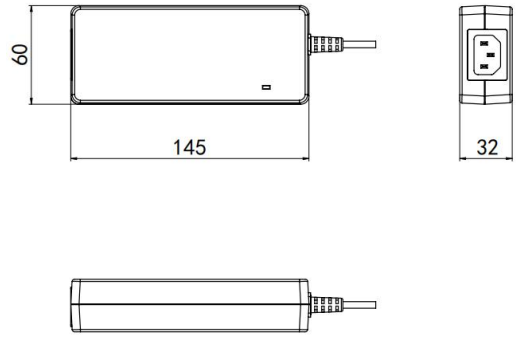
FL-H-532-PS/1-5W

PICOSECOND PULSED LASER AT 532nm

All Fiber Picosecond pulsed laser at 532nm is made features of short pulse duration, high repetition rate, high stability and good beam quality, which is used in sapphire marking, ceramic cutting, semiconductor cutting, film scribing, physics experiment, etc.

SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Pulsed
Average power (W)	1-5
Single pulse energy (nJ)	62.5 (62.5nJ @80MHz)； 125 (125nJ @40MHz)
Rep. rate (MHz)	20-120
Pulse duration (ps)	<8ps; or one fixed value between 10 ps-150 ps
Peak power (kW)	6.25kW @80MHz/10ps; 12.5kW@40MHz/10ps
Ave power stability (rms, 4 hours±3℃)	<2%, <1%
Warm-up time (minutes)	<10
Transverse mode	TEM_{00}
M^2	<1.2
Beam divergence, full angle (mrad)	<1.0
Beam diameter at the aperture ($1/e^2$,mm)	~2
Polarization ratio	>100:1 Horizontal
Beam height from base plate (mm)	118
Cooled method	Air cooled
Operating temperature (℃)	15-35
Power supply (100-240VAC)	12V/6.67A
Expected lifetime (hours)	>10000

LASER HEAD (DRIVER Integrated)	POWER SUPPLY(100-240VAC)optional
	
628 (L)×422 (W) ×145(H) mm³, 40kg	**145 (L) ×60 (W) ×32 (H) mm³,1.2 kg**

1 One fixed value between 1-5W.

2 One fixed value between 20-120MHz.