

Mesa HP Specifications

Description ¹	1064-220-M	1064-180-L	1064-150-M	532-150-M	532-120-L	532-100-M	355-40-M
Wavelength	1064	1064	1064	532	532	532	355
Power CW (W)	220	180	150	n/a	n/a	n/a	n/a
Power at 10 kHz (W)	180	150	120	150	120	100	32
Power at 6 kHz (W)	150	120	100	120	100	80	40
Repetition Rate (kHz)	1-40	1-40	1-40	1-40	1-40	1-40	1-40
Pulse-to-Pulse Stability (% RMS) ¹	<2	<3	<2	<2	<3	<2	<2
Pulsethickness (ns)	<130	<150	<170	<120	<130	<130	<170
Beam Pointing Stability (μ rad RMS)	<25	<25	<25	<25	<25	<25	<25
Beam Diameter (mm) ^{2,3}	2.5	2.5	2.5	2.6	2.6	2.6	2.6
Beam Divergence (mrad) ²	11	9	11	9	8	9	6
Beam Quality (M ²)	<25	<12	<25	<30	<15	<30	<35
Polarization ⁴	random	random	random	V 100:1	V 100:1	V 100:1	V 100:1

Notes

1. All specifications at 6 kHz unless otherwise noted
2. Typical measurement ($\pm 10\%$)
3. Measured at $1/e^2$ points of Gaussian fit to beam profile
4. V=Vertical. Factory default (can be changed upon request)

As a part of our continuous improvement program, all specifications are subject to change without notice.