

Katana HP



Versatile high power picosecond laser system for OEM and R&D applications

- Variable pulse repetition rate
- Pulse on demand – trigger input
- High pulse quality
- Narrow optical spectrum
- High repeatability and 24/7 operation



- Compact, dust-sealed OEM package
- Air cooled
- Remote control
- Plug & play – one-button operation no adjustment knobs or screws
- Maintenance free – no user-serviceable parts inside or outside laser

	Katana – 05 HP	Katana – 08 HP	Katana – 10 HP	Katana – 15 HP
Center wavelength	532 nm	775 nm	1064 nm	1550 nm
Average output power (up to) ¹	3 W	3 W	10 W	10 W
Pulse repetition rate ¹	100 kHz – 1 MHz variable, or 10 – 100 MHz fixed			
Pulse energy (up to) ¹	3 μJ	3 μJ	10 μJ	10 μJ
Pulse duration	30 ps – 1 ns			
Spectral bandwidth (down to)	0.5 nm			
Output	collimated free space ($M^2 < 1.4$)			
PER	> 13 dB			
Amplitude noise (10 h)	< 4 % rms			
Timing jitter (down to)	3 ps			
Warm-up time	< 15 minutes			
Specs guaranteed	10 °C – 40 °C			
Storage temperature	–15 °C – 65 °C			
Power consumption	150 W			
Power supply	90 – 264 VAC, 47 – 63 Hz			
Typical size (laser head) ²	420 x 312 x 54 mm ³			
Typical size (controller) ²	447 x 281 x 134 mm ³ (19" rack mount)			
Typical system weight ²	14 kg			

¹ please inquire for possible combinations of average power, pulse energy and repetition rate
² exact size and weight depend on model

UV option	Katana – 02 HP	Katana – 03 HP
Center wavelength	266 nm	355 nm
Average output power (up to) ¹	1 W	1 W
Pulse energy (up to) ¹	1 μJ	1 μJ

Sample data Katana – 15 HP

