

Parameter	AURORA-H-HP	AURORA-H-HE
Tuning range	650 – 900nm (Signal)	
	1200 – 2500nm (Idler)	
Maximum pump power	80W	
Maximum Pump Energy	10 - 200μJ	200 - 2000μJ
Peak conversion efficiency	Signal > 7%, Idler > 3.5%	
Second Harmonic (515 nm) Conversion Efficiency	> 35%	
Pre-compression pulse width	120-250fs	
Spectral bandwidth	200 – 750 cm ⁻¹ @ 650 – 900nm	
Pulse Width After Compression	< 55fs @ 800 – 900nm	
	< 70fs @ 650 – 800nm	
	< 100fs @ 1200 – 2000nm	
Compressor Transmission Efficiency	> 65% @ 650 – 900nm	
	> 80% @ 1200 – 2000nm	
Long-term Power Stability	< 2% @ 800nm	
Pulse Energy Stability	< 2% @ 800nm	
Dimensions(L×W×H)	800 x 330 x 254mm (LxWxH)	
Weight	57kg	
Optional compressor dimensions	324 x 165 x 214 mm (ICMP) / 650 x 135 x 250 mm (SCMP)	
Remaining Weight	32kg (Compressor) +24kg (Water-Cooled Machine) +17kg (Frequency Doubling)	
Power supply requirements	AC 220V / 10A; 24V DC Power Supply, Motor Drive Power Supply, Total Power ≤150W	
Power supply requirements for the water-cooled machine	CWUP-10AI; Operating Voltage: 220V; Operating Current: 0.6-5.6A;Rated Power: 1.02 kW; Cooling Capacity: 0.75 kW	