

Parameter	AURORA-HP		AURORA-HE
Tuning range	630 – 1036nm (Signal) 1036 – 2600nm (Idler)		
Maximum pump power	80W		
Pump pulse energy	10 - 20µJ	20 - 200µJ	200-2000µJ
Peak conversion efficiency	> 4.5% (Signal)	> 7% (Signal)	> 9% (Signal)
	> 2% (Idler)	> 3.5% (Idler)	> 4% (Idler)
Pulse duration	120 ~ 400fs		
Spectral bandwidth	60 - 220cm ⁻¹		
Long-term power stability	< 2% RMS@ 750nm		
Pulse-to-pulse energy stability	< 2% RMS@ 750nm		
Polarization	Linear polarization		
Dimensions (L×W×H)	800 x 330 x 254mm		
Weight (kg)	57kg		

Expansion Options

Pump pulse energy	10 - 20µJ	20 - 200µJ	200 - 2000µJ
315 - 630nm (SHG)	> 1% @ 350nm	> 2% @ 350nm	
210 - 315nm (THG)	> 0.4% @ 250nm	> 0.4% @ 250nm	
2200 - 4200nm (DFG1)	> 1.5% @ 3000nm	> 3% @ 3000nm	
4000 - 16000nm (DFG2)	> 0.1% @ 10000nm	> 0.2% @ 10000nm	
Remaining weight	24 kg (chiller) + 17 kg (frequency doubling)		
Power supply requirements	AC 220 V / 10 A; 24 V DC power supply for motor drive, total power ≤ 150 W		
Chiller power supply requirements	CWUP-10AI; operating voltage 220 V; operating current 0.6–5.6 A; rated power 1.02 kW; cooling capacity 0.75 kW		