

Parameter	AURORA-IR-HP	AURORA-IR-HE
Tuning range	1400 – 2000nm (Signal)	
	2100 – 4200nm (Idler)	
Maximum pump power	80W	
Pump pulse energy	12 – 400μJ	400 – 2000μJ
Conversion efficiency ¹⁾ @ 1550 nm	> 9%, 30 – 2000μJ Pump	
	> 6%, 12 – 30μJ Pump	
Spectral bandwidth	50 – 150cm ⁻¹ @ 1450 – 2000nm	
Long-term power stability, 8 h ²⁾	< 2% @ 1550nm	
Pulse-to-pulse energy stability, 1 min ²⁾	< 2% @ 1550nm	
Dimensions (L×W×H)	800 x 395 x 254mm (L×W×H)	
Weight (kg)	52kg	
Expansion options		
Tuning range	4000 – 16000 nm (DFG)	
Conversion efficiency ¹⁾	> 0.3% @ 10000 nm, 30 – 2000 μJ Pump	
	> 0.2% @ 10000 nm, 12 – 30 μJ Pump	
Spectral bandwidth	50 – 120 cm ⁻¹ @ 5000 – 8000 nm	
Remaining Weight	24kg (Water-Cooled Machine) +17kg (Frequen Cydoubing)	
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-10A; operating voltage 220V; operating current 0.6-5.6A; rated power 1.02kW; cooling capacity 0.75kW	