

Orion 300 Datasheet

Specification	Orion-515-120	Orion-1030-200	Orion-1030-300
Central Wavelength	515 ± 3nm	1030 ± 5nm	
Output Power	120W @ 1MHz	200W @ 100kHz	300W @ 1MHz
Repetition Rate	1Hz - 2MHz		
Pulse Energy	120μJ	2mJ	300μJ
Power Stability	< 1.0% (8 hours, RMS)		
Pulse Duration	< 350fs	< 400fs	
Beam Quality	TEM ₀₀ , M²≤1.3		
Beam Roundness	> 90%		
Beam Diameter	2.0 ± 0.5mm	3.0 ± 0.5mm	
Burst Pulse Number	1 - 3	1 - 10	
Dimensions	980 x 560 x 153mm		
Trigger Mode	PSO / POD / Gate mode, and TTL trigger		
External Power Control	0 - 5V, linear control		
Warm-up Time	≤ 15 min		
Power Supply	AC100 - 240V / 50 - 60Hz		
Operating Humidity	< 60% RH @ 25°C		
Operating Temperature	22 - 30°C		
Cooling Method	Water circulation cooling		