

Esus Series

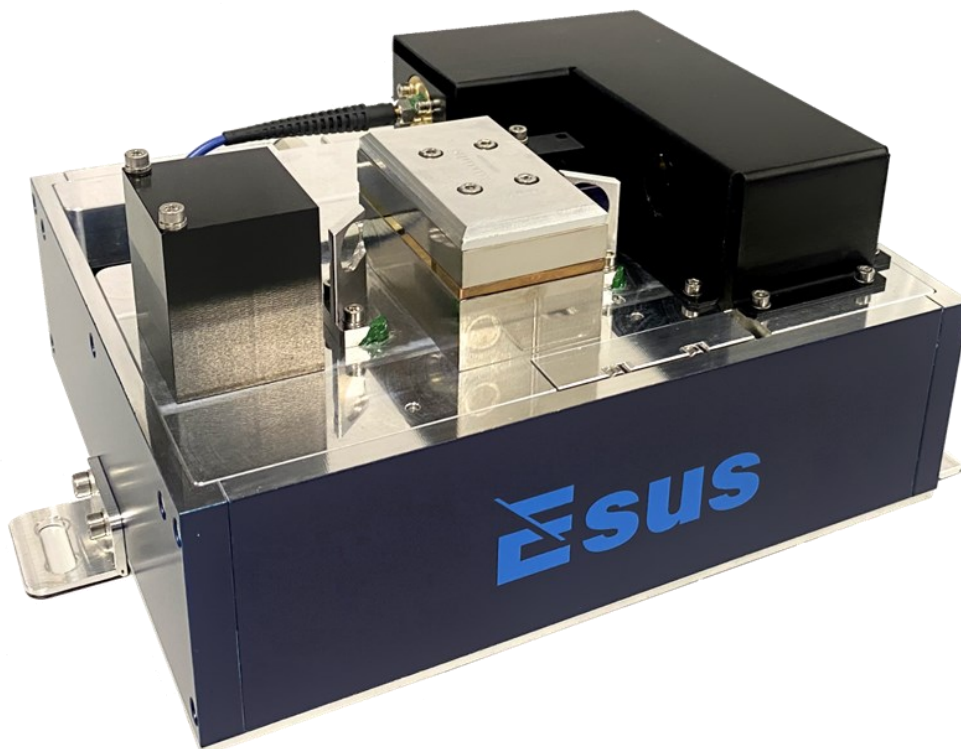
High performing building block to boost your laser performances

The compact Esus product provides high quality amplified beam up to 500W for a wide range of input seed power, in continuous or pulsed regime.

Esus Series are easy-to-integrate amplifiers, equipped with an optically pre-set pump laser diode and our **TARANIS** versatile technology.

TARANIS amplifier is based on our unique patented Single Crystal Fiber technology.

This unique architecture provides high pulse energy and flexible repetition rate as well as excellent reliability and unsurpassed beam quality, all in a compact packaging.



Specifications

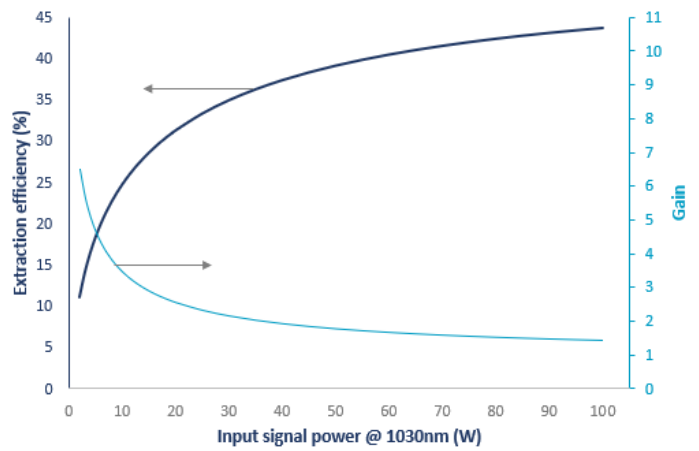
Input

Regime	Continuous or pulsed
Wavelength	1030 ±2 nm
Power*	from 100mW to 500 W


* Input coupling to be set accordingly

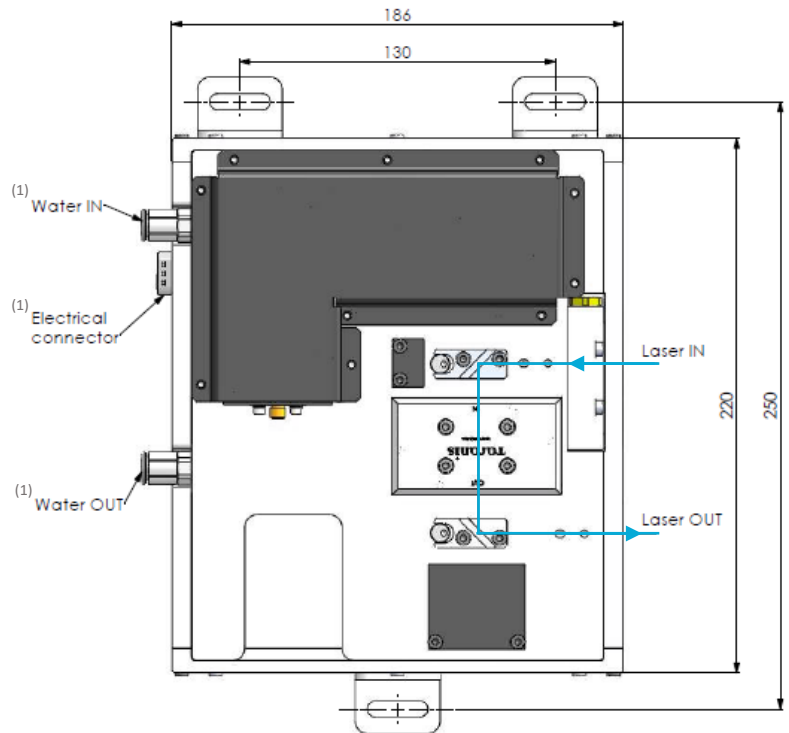
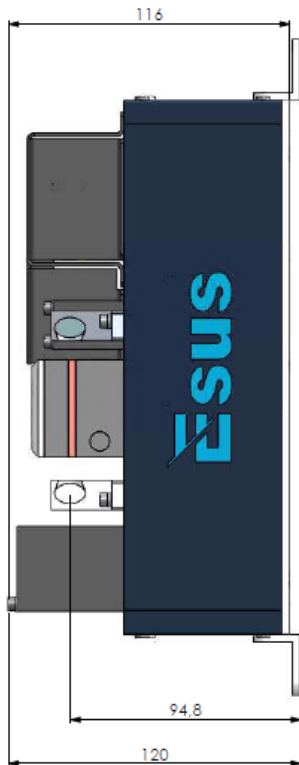
** Continuous mode, pump 969nm – 110W – 100µm

Output (typical)**



Characteristics

Product Reference	GT01-PL000X-YYY	Operating Current*	15A
Damage Threshold	10J/cm ² at 1ns pulse duration	Operating Voltage	11V
Beam Height (Input & Output)	94.8mm	Pump power**	from 60W to 190W
Achievable Ellipticity	> 0.95 	* Depending on the pump power required. Typically 15A for a 190W pump power ** Depending on requirements	



(1) Options available on request: cooling device and power supply unit for the pump diode

