

CLASS 5

ARGO OPCPA

Modular multi-color laser suite from deep-UV to Mid-IR

ARGO is our high-power widely tunable, multi-color laser suite capable of delivering sub-50-fs pulses with market-leading conversion efficiency. Combining our advanced OPCPA technology with conversion stages, the system delivers wavelengths from deep-UV (200 nm) to mid-IR (16.2 μm). Our new **Class 5 Bridge**, an IoT-enabled modular control system, connects multiple **ARGO** units to build advanced pump-probe setups.

Features

Widely tunable system

From deep-UV (200 nm) to mid-IR (16.2 μm)

High conversion efficiency

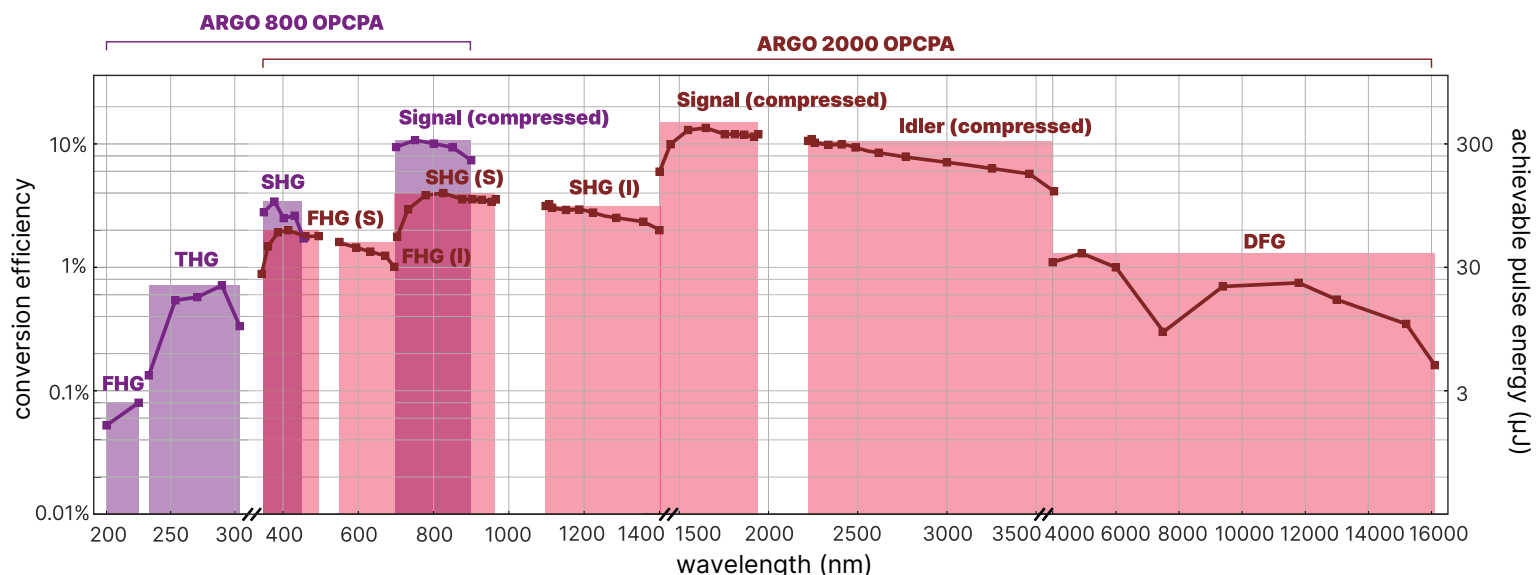
Market-leading conversion efficiency thanks to advanced OPCPA technology

High pulse energies and average power

Tunable output power of 30 W/300 μJ possible

Class 5 Bridge: Build your pump-probe suite

All ARGO units can be connected to a multi-color pump-probe setup with **Class 5 Bridge** modular control system.



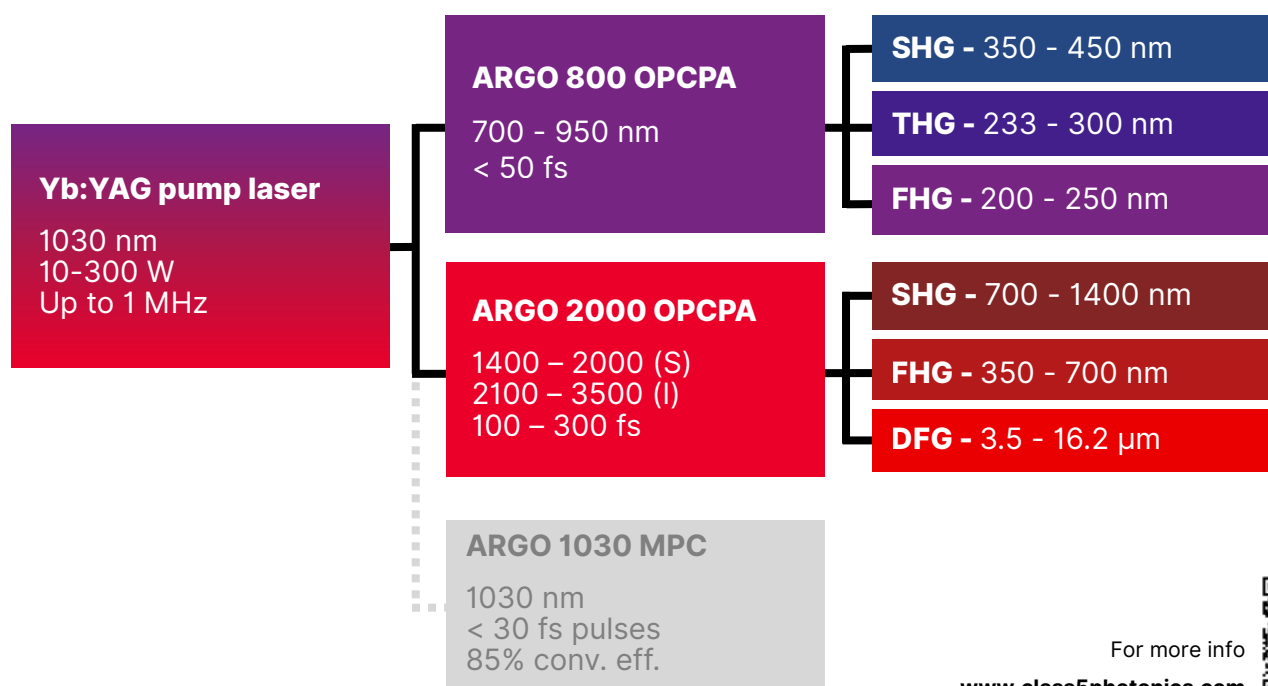
Typical conversion efficiencies. Actual values depend on pump laser performance.

Product specifications

PRODUCT	ARGO 800	ARGO 800 Pro	ARGO 2000	ARGO 2000 Pro
Wavelength (central)	700-900 nm		1400 – 2000 nm (S) 2100 – 3500 nm (I)	
Pulse duration	< 50 fs		100 - 300 fs	
Conv. efficiency (@ peak)	8% @ 800 nm (compressed)		13% Signal 12% Idler	10% Signal 8% Idler
Pump energy	20 - 100 µJ	100 - 3000 µJ	20 - 100 µJ	100 - 3000 µJ
Repetition rate	Up to 1 MHz			
Pump laser power	10-300W			
SHG range / conv.* (@ peak)	350-450 nm / 2%		700-1400 nm / 6%	
THG range / conv.* (@ peak)	233-300 nm / 0.4%		--	
FHG range / conv.* (@ peak)	200-225 nm / 0.08%		350 - 700 nm / 2%	
DFG range / conv.* (@ peak)	--		3.5 - 16.2 µm / 0.7%	

*conversion efficiencies 1030 nm pump laser to output

Class 5 Bridge: Modular control system



For more info

www.class5photonics.com

