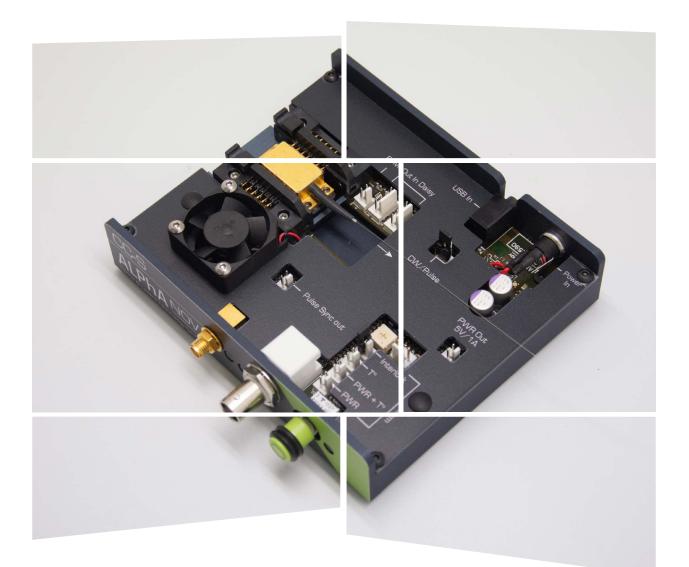
## CC-S Precision Pulsed Laser Diode Driver with TEC Controller



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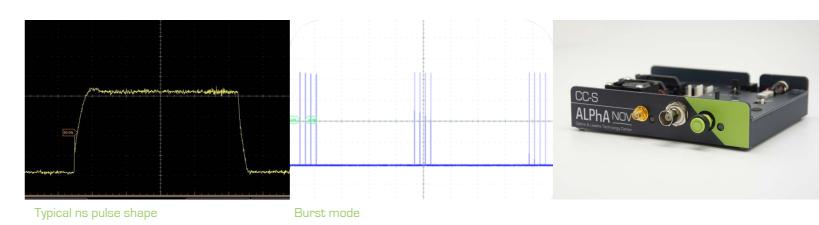
## CC-S Precision pulsed laser diode driver and **TEC** controller

### with Integrated Butterfly Mounting Sockets and USB



#### Designed for precision seed pumping applications, ALPhANOV butterfly packaged laser diode pulsing control electronics and mounting modules are optimized for single-shot to CW performance with pulse width lengths down to 1 ns. These complete control electronics and mounting modules deliver precision pulses which are generated internally by an on-board pulse generator, or on demand from an external TTL signal.

## **Technical Specifications**



#### **Electronic and Optical**

	Standard version	
Output current - CW regime	800 m	
Output current - pulse regime	1200 mA	
Output voltage	4.8	3 V
Laser diode T° regulation	15-5	i0 '
External pulse duration adjustment	1 ns	- C
Internal pulse duration adjustment	1 ns - 50	
Temporal Jitter	< 30 ps	
Internal repetition rate adjustment	1 Hz - 4 MHz	
Adjustable CW current offset in pulse regime	No	
Compatibility & libraries	Windows XP/7/10 - DL	
Interface	USB	
Power supply	12 V (110 V/220 V a	
1) High Pulse Performance		

(1) High Pulse Performance (2) 9A HP (High Power) version available on demand

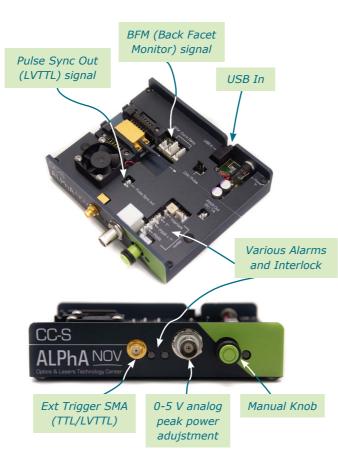
#### Key features:

- Integrated TEC controller •
- User set pulse width from 1 ns to CW
- Up to 4 MHz repetition rate (250 MHz with optional HPP -• High Pulse Performance technology)
- Down to 500 ps risetime •

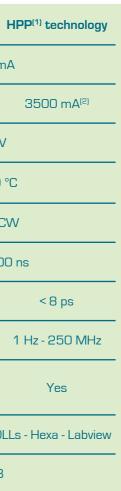
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- Up to 1200 mA peak current (3500 mA with HPP • technology)
- USB, manual, & analog (0-5 V) signal peak power adjustment •
- Smart control (USB interface to drive simultaneously several modules from ALPhANOV's laser electronics series)
- Preconfigured butterfly mounting socket for Type-1 or Type-2 laser diodes

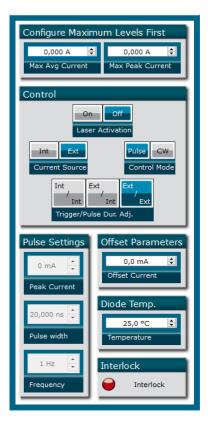






adapter included)

#### GUI control software



#### **Mechanical**



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