

# NEW EverGreen HP

Low repetition rate dual pulse laser

State of the art  
lasers for PIV

- Double pulse 532 nm flashlamp-pumped pulsed solid state lasers
- Sealed head design for operation in harsh environments
- Specified beam overlap
- Fixed repetition rate models from 10 to 30 Hz
- With pulse energies up to 400 mJ @ 532 nm

## Laser head

11.1 kg  
[24.5 lbs]



## Power supply

2 x 18 kg  
[2 x 39.5 lbs]



  
**EverGreen<sup>HP</sup>**

# Specifications

Model	EHP10-370-S-λλλ	EHP15-340-S-λλλ	EHP30-300-S-λλλ
REPETITION RATE [Hz]	10	15	30
PULSE ENERGY [mJ]			
532 nm	400	340	300
PULSE WIDTH [ns]			
532 nm	< 10		
ENERGY STABILITY [% rms]			
532 nm	< 2		
BEAM DIAMETER [mm]			
532 nm	< 10		
DIVERGENCE [mrad]			
	< 4		
FAR FIELD BEAM OVERLAP [μrad]			
	± 100		
NEAR FIELD BEAM OVERLAP [μm]			
	± 100		

TRANSVERSE MODE	Multiple
RESONATOR CONFIGURATION	Stable
POLARIZATION DIRECTION	
532 nm	Horizontal
SPECTRAL PURITY	
532 nm	> 98 %
MINIMUM PULSE DELAY [ns]	300

POWER	2 x 200 - 240 VAC, 50/60 Hz, < 10 A
COMPUTER INTERFACE	RS232

OPERATING TEMPERATURE [°C]	10 - 30
STORAGE TEMPERATURE [°C]	5 - 50

CABLE LENGTH	3 m [10 ft]
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Models with 266 nm operation available on request

06/19 EHP LRR-REVB - Lumibird reserves the right to modify the specifications without prior notice. Design: Poussières d'Étoiles



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