

# NEW EverGreen HP

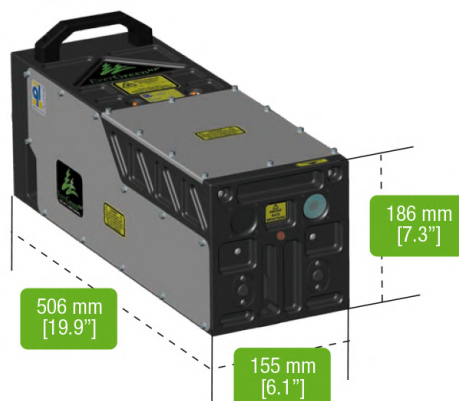
Low repetition rate dual pulse laser

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 | EHP15 | EHP30 |
|-------------------------------|-------|-------|-------|
| REPETITION RATE [Hz]          | 10    | 15    | 30    |
| PULSE ENERGY [mJ]             |       |       |       |
| 532 nm                        | 400   | 350   | 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   | Horizontal |
| 532 nm                   |            |
| SPECTRAL PURITY          | > 98 %     |
| 532 nm                   |            |
| 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]                         |

Models with 266 nm operation available on request

11/20 EHP LR-REVC - Lumibird reserves the right to modify the specifications without prior notice. Design: Poussières d'Étoiles ★

