

# 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]



# Specifications

Model	EHP10	EHP15	EHP30
<b>REPETITION RATE [Hz]</b>	10	15	30
<b>PULSE ENERGY [mJ]</b>			
532 nm	400	350	300
<b>PULSE WIDTH [ns]</b>			
532 nm		< 10	
<b>ENERGY STABILITY [% rms]</b>			
532 nm		< 2	
<b>BEAM DIAMETER [mm]</b>			
532 nm		< 10	
<b>DIVERGENCE [mrad]</b>		< 4	
<b>FAR FIELD BEAM OVERLAP [μrad]</b>		± 100	
<b>NEAR FIELD BEAM OVERLAP [μm]</b>		± 100	

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

<b>POWER</b>	2 x 200 - 240 VAC, 50/60 Hz, < 10 A
<b>COMPUTER INTERFACE</b>	RS232
<b>OPERATING TEMPERATURE [°C]</b>	10 - 30
<b>STORAGE TEMPERATURE [°C]</b>	5 - 50
<b>CABLE LENGTH</b>	3 m [10 ft]

Models with 266 nm operation available on request

