

## Innovative Ultrafast Laser Solutions

# STORC

Harmonic Generator Module for CPA-Series,  
IMPULSE-Series and Magellan HE

### ADVANTAGES

- Optimized to be pumped by the Clark-MXR CPA-Series Fiber seeded Ti:Sapphire regenerative amplifier, IMPULSE Yb-doped fiber Oscillator/Amplifier or Magellan HE high power fiber oscillator
- Near TEM00 output mode
- Compact, user-friendly design
- High beam quality
- Can be customized to user requirements/configurations

### APPLICATIONS

- Pump/probe spectroscopy/microscopy
- CARS spectroscopy/microscopy
- High S/N pump/probe spectroscopy & microscopy
- Photoelectron spectroscopy/microscopy
- 2D spectroscopy
- Ultrafast electron microscopy



Second, third and fourth harmonics from a compact box!

STORC is a harmonic generator add-on for Clark-MXR products including CPA-Series, fiber-seeded Ti:Sapphire regenerative amplifier, IMPULSE Yb-doped fiber oscillator/amplifier and Magellan & Magellan HE Yb-doped fiber oscillators to extend the available wavelength ranges. STORC can be customized for any given repetition rate and to generate second, third and fourth harmonics.

**Specifications:**

*(all the specifications are customizable)*

	CPA-Series	IMPULSE	Magellan/Magellan HE
SHG	387nm	515nm	515nm
THG	258nm	343nm	343nm
FHG	194nm	258nm	258nm
Transverse Mode	near TEM <sub>00</sub>		
Beam Quality (M <sup>2</sup> )			
Noise	<1% RMS for rep rates >2Hz		
Electrical/Cooling	none		
Cooling requirements	none		
Polarization	Linear, horizontal	Linear, vertical	

**Notes:**

- Custom configurations



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