



### New Interpoint Brand Power Conversion Solutions for:

- Deep Space (Class K)
- New Space
- Rugged Defense (Class H)
- Hi-Rel COTS

### xMOR Product Family Features

- 120-watt core architecture
- Extended 15-50V input range
- High efficiency reaching 88%
- Low ripple voltage out (<100mVp-p)

Leveraging years of power conversion expertise, technology investment and a rich Interpoint brand heritage, Crane A&E is proud to introduce the new Interpoint xMOR product family – an innovative collection of four 120-watt DC-DC power converters offering solutions for a range of applications.

The aerospace & defense industry is evolving. From low-Earth satellite constellations to deep space missions and advanced next-gen missiles – a broad range of innovation requires a broad spectrum of solutions. The ‘x’ in Crane A&E’s new xMOR product family represents a customer’s variable, the power conversion solution needed to enable innovation. With our new product family of cMOR, hMOR, rMOR and sMOR converters, we look forward to **Powering Your Mission.**

Each power converter combines Interpoint’s known reliability and performance with a design tailored to serve a space, defense, or commercial customer’s need. Crane A&E’s sMOR power converter supports deep space applications, is Class K certified, features improved performance and a 19-50V input range. The rMOR converter supports new space applications, featuring a radiation-tolerant design and guaranteed TID 30krads. The hMOR converter is tailored for mission-critical defense applications, is Class H certified, features a high efficiency level and supports fast start-up for quick boot-up systems. Finally, the cMOR converter offers customers a cost-effective, high-reliability commercial off-the-shelf solution for commercial and defense applications.

# Interpoint® xMOR 120-Watt DC-DC Converter Product Family

## Product Lines

### cMOR DC-DC Converters

An excellent match for ground vehicles, missile systems and aircraft – offering improved performance over Class H products at a lower price.

- Cost effective solution
- Synchronous rectification design
- Forward Clamp Switching
- Hi-Rel COTS tested to MIL-STD 883

### hMOR DC-DC Converters

A rugged 120-watt Class H defense-tailored power conversion unit for customers that require the utmost reliability.

- Low ripple
- High efficiency
- Light weight
- MIL-PRF 38534 Class H compliant

### rMOR DC-DC Converters

A new space-tailored solution that excels in systems requiring high efficiencies within a radiation-sensitive environment.

- Up to 92% efficiency
- 15V-50V input voltage
- Tested to 30krads
- Tested to SEE 43MeV

### sMOR DC-DC Converters

A Class K, deep space-tailored solution that can achieve 120 watts of output power and features guaranteed radiation performance.

- 19V-50V input voltage
- Guaranteed TID 100krads and 86MeV
- Up to 120W
- Class K compliant



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