## NOVONIXE BATTERY TECHNOLOGY SOLUTIONS

## **UHPC 2A Channel Module**

## **UHPC Channel Modules - The Best in Precision**

NOVONIX's industry leading Ultra-High Precision Coulometry (UHPC) Channel Modules accurately measure and control current and voltage, with high precision and low noise, providing better quality data that allow for greater confidence.

UHPC 2A	Part Number: CMA-HDX-99-56
Image:	
SOURCE*	
Current Range: 200µA, 2mA, 20mA, 200mA, 2A Resolution: <20ppm FSR Accuracy: 0.01% FSR Noise: 0.002% FSR Temperature Coefficient: 0.002% FSR over 23 ±5°C	Voltage   Range: 250mV, 5V   Resolution: 1μV   Accuracy:100μV (<250mV), 200μV (>250mV)   Noise: 100μV   Temperature Coefficient: 0.002% FSR over 23 ±5°C
MEASUREMENT*	
Current Resolution: <20ppm Accuracy: 0.005% FSR Noise: 0.002% FSR Temperature Coefficient: 0.002% FSR over 23 ±5°C	Voltage   Resolution: <50nV on 0V-0.25V, 1μV on 0.25V-5V
TIMING	INTEGRATED RTD TEMPERATURE SENSING
Resolution: 10ms Measurement Frequency: 6Hz Accuracy: 2ppm	Resolution: ±0.01°C Accuracy: ±0.5°C Noise: ±0.05°C
TECHNICAL CONSIDERATIONS*	
	Power Draw (VA): 320VA Voltage: 120VAC-230VAC 50Hz or 60Hz Minimum Discharge Voltage: 0.005V Required Lab Temperature Range: 18°C - 28°C Required Lab Temperature Stability: ±1°C sing precision resistor elements, not live cells. Under certain test conditions, some measurements on the pairing Channel Modules with NOVONIX Thermal Chambers, which are specifically designed to provide the

Contact us to learn how UHPC technologies can improve your battery development, manufacturing, selection and more: **bts-sales@novonixgroup.com** 

## NOVONIX www.novonixgroup.com