

# ANDRITZ BITRODE BTDC BATTERY CELL TESTER

## Configurations and Specifications

MODEL	6 VOLT		20 VOLT	
MODULES	BTDC4 -100/10-6	BTDC4 -300/30-6	BTDC4 -100/10-20	BTDC2 -300/30-20
VOLTAGE				
Range	-6V to +6V True Bipolar Operation		-20V TO +20V True Bipolar Operation	
Measurement Accuracy	.015% of Full Scale		.015% of Full Scale	
Measurement Resolution	18BIT		18BIT	
Control Resolution	±.1mV		±.5mV	
Control Mode	Digital		Digital	
Input Impedance	>2M Ω		>2M Ω	
CURRENT				
Ranges	100A/10A	300A/30A	100A/10A	300A/30A
Paralleled	4 circuits for a total of 400A	4 circuits for a total of 1200A	4 circuits for total of 400A	2 circuits for total of 600A
Measurement Accuracy	±20mA/±2mA	±60mA/±6mA	±20mA/±2mA	±60mA/±6mA
Measurement Resolution	18 bit./2MA	18 bit./5MA	18 bit./2MA	18 bit./5MA
Control Resolution	5mA/1mA			
Current Rise Time	<.7ms (-90% TO 90% OF FULL SCALE)			
TIME				
Minimum Step Time	2ms			
Data Format	ms Sequel			
Data Sampling Rate	1ms Continuous Data Sampling on all circuits			
Sensor Data	All auxiliary data, ex. Temperature data, is automatically synced to main IV data.			

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### MAIN CABINET

OFFERINGS	3 MODULE CABINET			7 MODULE CABINET		
NUMBER OF TOTAL MODULES	Without HMI	With HMI	Internal DAQ	Without HMI	With HMI	Internal DAQ
	3	2	2	7	6	6
CABINET SIZE	24''WX48'' DX44''H		61CMWX122CM DX112CMH	24''WX48'' DX78''H		61CMWX122C- MDX198CMH
CABINET WEIGHT	1480LBS/670KG			~1800LBS/817KG		
COOLING METHOD	Air-cooled					
WORKING TEMP.	0-40°C					
AC INPUT	380/400/415/480V 3ph 50/60Hz					
ENERGY EFFICIENCY	Up to 83%					

### STANDARD FEATURES

OUTPUT LEADS	Standard 20ft/6m leads with 3/8" Ring Lugs. Other lengths and connections available.
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### OPTIONAL FEATURES

#### TOUCHSCREEN HMI

AUXILIARY TEMPERATURES	Type	Type K	Type J	Type T	RTD	Thermistor
Available in 4-Channel Blocks. Up to 28 temperatures in large cabinet available without internal/external DAQ. Up to 12 temperature in 3 module cabinet without internal/external DAQ.	Accuracy	±2.2°C	±2.2°C	±0.5°C	±0.3°C	
	Temp Range	-270 to 1372°C	-210 to 1200°C	-270-400°C	-270-850°C	-100-300°C