

BCTer-(A)N-10

Parameters (10V Enhanced Series)

AC Parameters

Mains Connection	Three-phase five-wire control	Input Voltage	380VAC ±10%
Input Frequency	50Hz ±2Hz	Power Factor	>0.99
Energy Feedback	Available	Conversion Efficiency	90% (peak value)
Regenerative Efficiency	70% (peak value)	Total Harmonic Distortion(THD)	<5%

DC Parameters

Voltage	Range	-10V~ 10V (equipment terminal voltage)	
	Accuracy	±0.05% F.S.	
	Resolution	0.1mV	
Current	Range	±300A	±600A
	Accuracy	±0.05% F.S.	
	Resolution	0.1mA	
Channel Power	3kW	6kW	
Number of Channels (Full Cabinet)	16	8	
Channel Parallel Connection	Support lossless parallel connection of any channel in the cabinet		
Current Response Time	≤5ms (10%~90% F.S.)		
Current Switching Time	≤10ms (-90%~90% F.S.)		
Minimum Pulse Width	20ms		

Testing Functions

Charge and Discharge Mode	Constant current charging, constant voltage charging, constant current and constant voltage charging, constant power charging, constant current discharge, constant resistance discharge, constant power discharge, constant resistance discharge, constant current pulse, constant current ramp, pulse working condition, etc.		
Data	Recording Frequency	100Hz (10ms)	
	Recording Conditions	Time (Δt), voltage (ΔV), current (ΔI), etc.	
External Interface	Supports data logger, Climate chamber, etc.		
Communication Method	Ethernet		

General Parameters

Protection Level	IP20
Operating Temperature	0°C - 45°C
Operating Humidity	<90% RH (non-condensing)
Device Noise	≤70dB
Cooling Method	Forced air cooling