

BCTer-BR-5

Parameters (5V Ripple 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	1V ~ 5V (equipment terminal voltage, possible to increase to 6V)			
	Accuracy	±0.05% F.S. / ±0.02% F.S.			
	Resolution	0.1mV			
Current	Range	±300A	±400A	±500A	±600A
	Accuracy	±0.05% F.S. / ±0.02% F.S.			
	Resolution	0.1mA			
Ripple Current		100A p.p.			
Ripple Frequency		10-1kHz			
Number of Channels (Full Cabinet)		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