

BCTer-B-5

Parameters (5V Basic 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	80% (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.							
	Resolution	0.1mV							
Current	Range	±300A	±400A	±500A	±600A	±700A	±800A	±1000A	±1200A
	Accuracy	±0.05% F.S.							
	Resolution	0.1mA							
Channel Power		1.5kW	2kW	2.5kW	3kW	3.5kW	4kW	5kW	6kW
Number of Channels (Full Cabinet)		16	16	8	8	8	8	4	4
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