

**HVCT-(A)B/N-1800/2000/2500**

Parameters (1800V/ 2000V/ 2500V Cluster Series)

**AC Parameters**

<b>Mains Connection</b>	Three-phase five-wire control	<b>Input Voltage</b>	380VAC ±10%
<b>Input Frequency</b>	50Hz ±2Hz	<b>Power Factor</b>	>0.99
<b>Energy Feedback</b>	Available	<b>Conversion Efficiency</b>	92% (peak value)
<b>Regenerative Efficiency</b>	92% (peak value)	<b>Total Harmonic Distortion(THD)</b>	<5%

**DC Parameters**

<b>Voltage</b>	<b>Range</b>	1800V / 2000V / 2500V (Discharge minimum voltage: 100V)			
	<b>Accuracy</b>	±0.05% F.S. / ±0.02% F.S.			
	<b>Resolution</b>	0.1mV			
<b>Current</b>	<b>Range</b>	±300A	±600A	±600A	±1000A
	<b>Accuracy</b>	±0.05% F.S. / ±0.02% F.S.			
	<b>Resolution</b>	0.1mA			
<b>Channel Power</b>		450kW / 500kW / 600kW / 700kW / 800 kW / 1000kW / 2000kW			
<b>Number of Channels (Full Cabinet)</b>		1 / 2			
<b>Channel Parallel Connection</b>		Support lossless parallel connection of any channel in the cabinet			
<b>Current Response Time</b>		≤3ms (10%~90% F.S.)			
<b>Current Switching Time</b>		≤5ms (-90%~90% F.S.)			
<b>Minimum Pulse Width</b>		20ms			

**Testing Functions**

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

**General Parameters**

<b>Protection Level</b>	IP20
<b>Operating Temperature</b>	0°C - 45°C
<b>Operating Humidity</b>	<90% RH (non-condensing)
<b>Device Noise</b>	≤75dB
<b>Cooling Method</b>	Forced air cooling