

CE-6000 Specification					
1. Model					
Material code	CD-6006A-5V1200	CD-6006A-5V1200A-PS-H			
2. Channel information					
2.1 Channels quantity	Channels per cabinet	6			
2.2 Main channel	Channel characteristics	The CC-CV constant current source and constant voltage source adopt a double closed-loop structure			
	Channel control mode	Independent control			
	Current superposition	Equipped with a 600A superimposed channel, which can be used in intelligent parallel with 6 main channels. When parallel, the maximum output current of a single channel is 1200A			
3. Input indicators					
3.1 Input power supply		DC 750V			
3.2 Power factor		DC 740V~800V, full load DC 700V~740V, reduced to 60%			
3.3 Input impedance		≥62.5KΩ			
3.4 Input power		15KW			
3.5 Input current		20A			
3.6 Overall system efficiency (Max)		80%			
3.7 Noise		≤65dB			
3.8 Voltage and current sampling		Four-wire connection (same port for charging and discharging)			
3.9 Power control module type		MOSFET			
3.10 Input power wiring method		Two-wire system			
3.11 Protection		Short circuit, overload, over-voltage, etc			
4. The function and performance indicators					
4.1 Voltage	Output range	Charger:0V~5V			
		Discharge:1.5V~5V			
	Min discharge voltage	1.5V			
	Accuracy	±0.02% of FS			
	Resolution	24bit			

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4.2 Current	Output range	Range 1:75A; Range 2:150A; Range 3:300A; Range 4:600A (stacked channel range 4:1200A)
	Accuracy (independent	±0.05% of FS
	range))	
	CV cut-off current	±0.05% of FS
	Resolution	24bit
4.3 Power	Single channel output power	3KW (stacked channel power: 6KW)
	Whole machine output power	13.5KW
4.4 Time	Current response time	≤3ms
	Current conversion time	≤6ms
	Min step time	0.1s
4.5 Charge/Discharge modes 4.6 Simulation	Charge/Discharge modes	CCC, CVC, CCC&CVC (constant current and constant voltage smooth transition to prevent sharp current and high current impact on the battery, protect the battery), CPC
	Cut-off condition	CCD, CVD, CPD, CRD
		Voltage, Current, Δtime, Capacity, -ΔV
	Charge mode	Current, Power
	Discharge mode	Current, Power
	Switch	Support continuous switching between charge and discharge
	Cut-off condition	Time, step line
	Steps file lines	1000000
4.7 Pulse step	Charge mode	Current, Power
	Discharge mode	Current, Power
	Min pulse	50ms
	Pulse counts	Up to 32
	Charge and discharge switch	Support
	Cut-off condition	Voltage, ΔTime
4.8 DCIR		DCIR by calculation
4.9 Safely protection	Software protection	Safety protection conditions can be set, and parameters can be set, including: voltage lower limit, voltage upper limit, current lower limit, current upper limit, delay time

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7.1 Working temperature accuracy is guaranteed:the accuracy drift is 0. 7.2 Storage temperature -20°C~50°C					
7.3 Relative humidity of working environment ≤70% RH (no water vapor condensation)					
7.4 Relative humidity of storage environment ≤80% RH(no water vapor condensation)					
7.5 Size W*D*H 600*800*1850(mm)					
7.6 Weight About 150kg					
7.7 Appearance of equipment (for reference)					
8. AUX Auxiliary test system(optional)					
8.1 Temperature auxiliary Temperature range Type T thermocouples: -70°C~260°C					

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channel	Temperature accuracy	±1°C
	Temperature resolution	0.1°C
	Voltage range	0V~5V
8.2 Voltage auxiliary channel	Voltage accuracy	±0.05% of FS
	Voltage resolution	0.1mV
	It is mainly used to monitor the surface and tab temperature in the battery testing	
8.3 Introduction to AUX	process, with high testing accuracy. The test data can be bound with the main voltage	
	and current data, and the measured temperature can be used as the control condition	
	and protection condition of the process step.	

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