

Date:2023-04-25

CE-6000 Specification					
1. Model					
1. Material code	CE-6004n-1000V300A-IG				
2. Channels inform	nation				
1. Channels quantity	Channels quantity in one unit	4			
	Channel feature	Constant current source and constant voltage source dual closed loop control			
2. Main channel	Channel control mode	Independent control			
	Channel parallel connection	Support max 4 channels parallel mode. Pulse and SIM tests will be disabled in channels parallel mode.			
3. Power grid side	parameters				
1.Input power		AC380V±10% 50/60±5Hz			
2.Power factor		≥99%(Full load)			
3.THDi		≤5%(Full load)			
4.Input resistance		≥1MΩ			
5.Input power		1333.3KW			
6.Input current		2025.8 A/single			
7.Overall system efficiency(Max)		94%			
8.Noise		≤75dB			
9.Voltage and current sampling		Four-wire connection(same port for charging and discharging)			
10.Power control module type		IGBT			
11.Input power wiring method		Three-phase-four wire system			
12.Power input protection		Anti-surge, anti-silos, anti over or under frequency, anti over or under voltage, anti phase absence, etc.			
4. Functions and p	performances	•			
1. Voltage	Output range	Charge:0V~1000V			
		Discharge:30V~1000V			
	Min discharge voltage	30V			



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	Accuracy	±0.02% of FS
	Resolution	24bit
2. Current 3. Power		
	Output range	1.5A~300A
	Accuracy(independe nt range)	±0.05% of FS
	CV cut-off current	300mA
	Resolution	24bit
	Single channel	300KW
	output power	500KW
J. Tower	Whole machine	1200KW
	output power	120011.1
	Current response time	≤5ms
4. Time	Current conversion time	≤10ms
	Min. step time	0.1s
	Charge/Discharge	CCC, CVC, CC-CVC, CPC
5. Charge/Discharge modes	modes modes	CCD, CVD, CPD, CRD
	Cut-off condition	Voltage, Current, ΔTime, Capacity, -ΔV
	Charge	Current, Power
	Discharge	Current, Power
6. Simulation	Switch	Support continuous switching between charge and discharge
	Cut-off condition	Time, step line
	Steps file lines	1,000,000
	Charge	Current, power
	Discharge	Current, Power
	Min pulse	100ms
7. Pulse Mode	Pulse counts	Up to 32
,, , , , , , , , , , , , , , , , , , , ,	Charge and discharge switch	supported
	Cut-off condition	Voltage, ΔTime
8. DCIR	Cut on Condition	DCIR by calculation
o. Dene		Power off data protection
	Software protection	Offline mode function
		Safety protection conditions can be set,
0 0 01		including:voltage lower limit, voltage upper
9. Safely protection		limit, current lower limit, current upper limit, delay
		time, etc.
	Hardware protection	Anti-reverse connection, over-voltage, over-current,
		over-temperature, etc.
5. Data managem	nent and analysis	
Step setting method		Form editing



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2. Data report	Recording	Minimum time interval: 10ms(connected with AUX
		channel:100ms)
	conditions	Minimum voltage interval: 2V
		Minimum current interval: 0.6A
	Recording frequency	100Hz(connected with AUX channel:10Hz)
3. Database		MySQL database
4. Data output		Excel, Txt
5. Curve type		Templates available, customization supported
( D 1 '		Support bar-code scanning function
6. Bar code scanning		Management and traceability of historical data
6. Communication	l	
Host computer communication		TCP/IP protocol
Communication port		Ethernet
3. Communication baud		
rate of the testers		1M
4. Host computer		10M~100M adaptive
communication baud rate		•
5. Communication setup		Set up a LAN(local area network) through switches and routers
6. Communication expansion(optional)		Support CAN, RS485 communication and BMS communication, with DBC configuration function
7. Environmental	requirements, di	mension and weight
Operation environment temperature		-10°C~40°C(When the temperature is 25±10°C, the accuracy error caused by temperature change is less than 0.005% of FS per degree)
2. Storage environment temperature		-20°C~50°C
3. Operation environment humidity		≤70% RH(no moisture condensation)
4. Storage environment humidity		≤80% RH(no moisture condensation)
5. Dimension W*D*H		/
6. Weight		/
7. Tester Picture(Pictures just for reference)		



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### 8. Auxiliary test system(optional)

Temperature aux channels	Temperature range	Thermistor: -30°C~120°C	
		Thermocouple: -200°C~260°C	
	Temperature accuracy	±1°C (Length within 2m)	
	Temperature resolution	0.1°C	
2. Voltage aux channels	Voltage range	0V~5V	
	Voltage accuracy	±0.1% of FS	
	Voltage resolution	0.1mV	
3. Aux Introduction	It is used to monitor the temperature of the battery surface or the tabs during		
	the test. The aux test data can be bound with the main voltage and current data.		
	At the same time, the measured temperature can be used as the control		
	condition and protection condition of the test profiles.		