Specifications

CE-6000 Specification					
1、Model					
1. Material code	CE-6008n-60V60A-H				
2. Channels information					
1. Channels quantity	Channels quantity in one unit	8			
	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±15% 50/60±5Hz			
2.Power factor		≥99%(Full load)			
3.THDi		≤5%(Full load)			
4.Input resistance		≥1ΜΩ			
5.Input power		33.9KW			
6.Input current		51.5A/single			
7.Overall system efficiency(Max)		90%			
8.Noise		≤65dB			
9.Voltage and current sampling		Four-wire connection(same port for charging and discharging)			
10.Power control module type		MOSFET			
11.Input power wiring method		Three-phase-five 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				
	Output range	Charge:0V~60V			
1. Voltage		Discharge:3V~60V			
	Min discharge voltage	3V			

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	Accuracy	±0.02% of FS		
	Resolution	24bit		
2. Current	Output range	0.3A~60A		
	Accuracy(independe nt range)	±0.05% of FS		
	CV cut-off current	60mA		
	Resolution	24bit		
3. Power	Single channel	2.7771		
	output power	3.6KW		
	Whole machine	28.8KW		
	output power	20.0IX W		
	Current response time	≤3ms		
4. Time	Current conversion time	≤6ms		
	Min. step time	0.1s		
5 Change /Direct	Charge/Discharge	CCC, CVC, CC-CVC, CPC		
5. Charge/Discharge modes	modes	CCD, CVD, CPD, CRD		
	Cut-off condition	Voltage, Current, Δ Time, Capacity, - Δ V		
	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		DCIR by calculation		
	Software protection	Power off data protection		
		Offline mode function		
		Safety protection conditions can be set,		
9. Safely protection		including:voltage lower limit, voltage upper		
		limit, current lower limit, current upper limit, delay		
		time, etc.		
	Hardware protection	Anti-reverse connection, over-voltage, over-current, over-temperature, etc.		
5. Data management and analysis				
Step setting method	-	Form editing		
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		Minimum time interval: 10ms(connected with AUX
2. Data report		, and the second
	Recording	channel:100ms)
	conditions	Minimum voltage interval: 0.12V
		Minimum current interval: 0.12A
	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	1	
Host computer communication		TCP/IP protocol
2. Communication port		Ethernet
3. Communication baud rate of the testers		1M
4. Host computer communication baud rate		10M~100M adaptive
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		600*800*1300(mm)
6. Weight		about 192.2KG
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.		