CE-6000 Specification					
1. Model					
1. Material code		CE-6008n-60V50A-H			
2. Channels information					
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			
2. Wall Charles	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		≥1MΩ			
5.Input power		28.2KW			
6.Input current		42.9A/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 performances					
1. Voltage	Output range	Charge:0V~60V			
		Discharge:3V~60V			
	Min discharge	3V			

	voltage	
	Accuracy	±0.02% of FS
	Resolution	24bit
2. Current	Output range	0.25A~50A
	Accuracy(independe nt range)	±0.05% of FS
	CV cut-off current	50mA
	Resolution	24bit
3. Power	Single channel output power	3KW
	Whole machine output power	24KW
4. Time	Current response time	≤3ms
	Current conversion time	≤6ms
	Min. step time	0.1s
5 Charge/Discharge	Charge/Discharge	CCC, CVC, CC-CVC, CPC
5. Charge/Discharge modes	modes	CCD, CVD, CPD, CRD
	Cut-off condition	Voltage, Current, $\Delta$ Time, Capacity, - $\Delta$ 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
7. Pulse Mode	Discharge	Current, Power
	Min pulse	100ms
	Pulse counts	Up to 32
	Charge and discharge switch	supported
	Cut-off condition	Voltage, ∆Time
8. DCIR		DCIR by calculation
	Software protection	Power off data protection
		Offline mode function
9. Safely protection		Safety protection conditions can be set, 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.

1. Step setting method		Form editing
		Minimum time interval: 10ms(connected with AUX
	Recording conditions	channel:100ms)
2. Data report		Minimum voltage interval: 0.12V
		Minimum current interval: 0.1A
	Recording frequency	100Hz(connected with AUX channel:10Hz)
3. Database		MySQL database
4. Data output		Excel, Txt
5. Curve type		Templates available, customization supported
· · · · · · · · · · · · · · · · · · ·		Support bar-code scanning function
6. Bar code scanning		Management and traceability of historical data
6. Communication		5
Host computer communication		TCP/IP protocol
2. Communication port		Ethernet
3. Communication baud		13.6
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		Support CAN, RS485 communication and BMS
expansion(optional)		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 185.3KG
7. Tester Picture(Pictures just for reference)		



Temperature aux channels	Temperature range	Thermistor: -30°C~120°C		
		Thermocouple: -200°C~260°C		
	Temperature	±1°C (Length within 2m)		
	Tomor and true			
	Temperature	0.1°C		
	resolution			
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.			