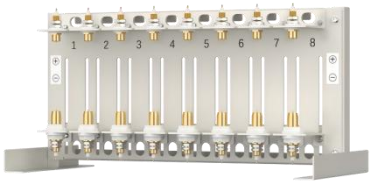
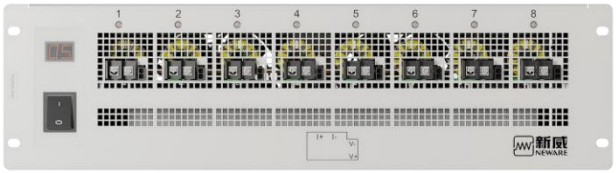
CE-8000 Specification

1. Model	
Material code	CE-8008S-5V30A-SRB
2. General	
Input voltage	AC 220V±20% 50Hz/60Hz
Input power	1800W
Resolution	AD: 24bit, DA: 16bit
Input impedance	≥100MΩ
Return-to-grid efficiency	≤70%
Noise	≤75dB
IP Level	IP20
Channels feature	CC and CV sources adopt a dual closed-loop structure
Channels control mode	Independent control
Cell connection	4 terminal
3. Voltage	
Range	0V~5V
Minimum discharge voltage	1V
Accuracy	±0.02% of FS
4. Current	
Ranges	Range1: 300mA, Range2: 1A, Range3: 3A Range4: 6A, Range5: 12A, Range6: 30A
Accuracy	±0.02% of FS
Minimum output current	0.2% of FS
CV cut-off current	0.1% of FS
5. Power	
Range	150W
Accuracy	±0.04% of FS
6. Time	
Current rise time	≤500μs (10% ~ 90% of FS)
Current conversion time	≤1ms (-90% ~ 90% of FS)
Working step time	≤(365*24)h/step, time format-00: 00: 00.000(h: m: s.ms)
Data acquisition rate	1000Hz

7. Working mode	
Charge/Discharge modes	CC, CV, CCCV, CP, Pulse, etc
Cut-off condition	Voltage, current, time, capacity, energy, etc
Pulse charge/discharge modes	Current, Power
Minimum pulse time	20ms
Maximum pulse count	32
Pulse cut-off condition	Voltage, ΔTime
8. Cycle	
Maximum cycle	65535
Maximum step	9999
Maximum cycle nest	10
9. Protection mode	
Software protection	Safety protection conditions can be set, including: voltage lower limit, voltage upper limit, current lower limit, current upper limit, etc
Hardware protection	Over-voltage, over-current, over-temperature, etc
10. Communication and computer configuration requirement	
CPU	Recommended Core i3 or above
Memory	Recommended 16G or above
Disk	Recommended 500G or above
Connection for PC	TCP/IP
PC operating system	Windows 11
Database	MySQL
Data export format	EXCEL、TXT、GRAPH、PDF、CSV
11. Operation and storage environment requirement	
Operating temperature	0℃~40℃ (guaranteed accuracy within 25±5℃, accuracy drift: ≤ 0.005% of FS per ℃)
Storage temperature	-10℃~50℃
Operating humidity	≤70% RH (no moisture condensation)
Storage humidity	≤80% RH (no moisture condensation)

12. Fixture specification and equipment dimension		
Clamp types	Optional (to be clearly marked during order confirmation)	
Clamps image		
	Pouch cell fixture	Cylindrical cell fixture
	For reference only	
Channels	8	
Dimension	3U(19")	
Tester image		
	For reference only	