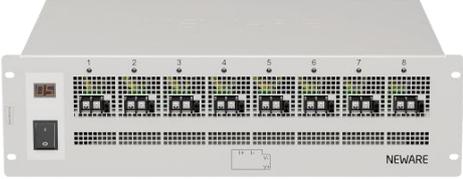


CE-4000 Specification

1. Model	
Material code	CE-4008Q-5V20A-SR
2. Items	
Values	
Input power	AC 220V ±10% / 50Hz
Input power	1200W
Resolution	AD: 24bit; DA: 16bit
Input resistance	≥100MΩ
Overall system efficiency	>70%
Noise	<75dB (measured at 1m)
Parallel ability	Channel parallelism is not supported
IP Level	IP20
Channels feature	Independent pairs of closed loop for constant current source and constant voltage source
Channels control mode	Independent control
Data acquisition	Four-wire connection
3. Voltage	
Output range	25mV-5V
Min discharge voltage	2V (2m wire length)
Accuracy	± 0.02% of FS
Stability	0.04% of FS
4. Current	
Output range	Range1: 1A; Range2: 6A; Range3: 12A; Range4: 20A
Accuracy	± 0.05% of FS
Minimum output current	5mA
CV cut-off current	Range1: 2mA; Range2: 12mA; Range3: 24mA; Range4: 40mA
Stability	0.1% of FS
5. Power	
Single channel output power	100W
Accuracy	±0.07% of FS
Stability	0.14% of FS
6. Time	

Current response time	≤1ms (10% ~ 90% of FS)
Current conversion time	≤10ms (-90% ~ 90% of FS)
Establishment time	≤10ms (0 ~ 100% of FS)
Working step time	≤(365*24)h/step Time format-00:00:00.000(h, m, s, ms)
Frequency	10Hz (Minimum time interval: 100ms)
7. Working mode	
Charge/Discharge modes	CC,CV,CCCV,CP,Pulse,etc
Cut-off condition	Voltage, current, time, capacity,energy,etc
DCIR	supported
Pulse charge/discharge mode	Current, Power
Min pulse	100ms
Pulse counts	Up to 32
Chg and Dchg switch	unsupported
Cut-off condition	Voltage, ΔTime
8. Cycle	
Max cycles	1~65535
Max steps	≤255
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	Anti-reverse connection, over-voltage, over-current, over-temperature, etc.
10. Communication and Computer Configuration Requirements	
CPU	Pentium dual-core or above, frequency 4G or above
Computer memory	Recommended 16G or above
Connection for PC	TCP/IP
Disk drive config	Min. 500GB
PC operating system	Windows 7 and above
Database	MySQL
Data export format	EXCEL、TXT、GRAPH、PDF、CSV

Communication expansion(optional)	Support CAN, RS485 communication and BMS communication, with DBC configuration function		
11. Operation and storage environment requirement			
Operating temperature	0°C~40°C (When the temperature is 25±10°C, the accuracy offset caused by temperature is less than 50ppm /°C)		
Storage temperature	-10°C~50°C		
Operating humidity	≤70% RH (no moisture condensation)		
Storage humidity	≤80% RH (no moisture condensation)		
12. Fixture specifications and equipment dimensions			
Clamp types	Optional (to be clearly marked during order confirmation)		
Clamps pictures			
	Alligator	Polymer	Ring Connector
	For reference only		
Channel	8		
Dimension W*D*H(mm)	3U(19"), 483*438*130		
Tester picture			
	For reference only		