

CE-6000 Technical Specification

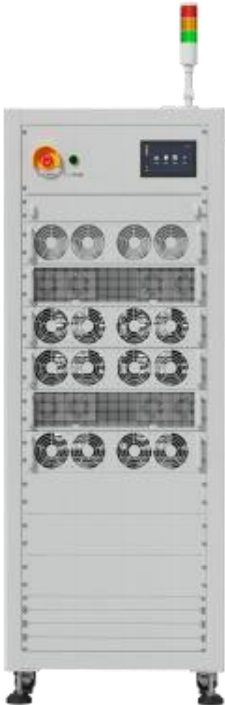
1. Equipment model

1 、 Machine code CE-6006-Pro-6V1200A

2. Machine information

1. Number of channels	6
2. Parallel channels	A maximum of 2 channels can be connected in parallel.
3. Input power supply	3PH-AC380V±15% 50/60±5Hz
4. Power factor	≥99% (full load)
5. THDi	≤5% (full load)
6. Interiorinput power	61.7KW
7. Input currenton	93. 8A/ per phase
8. Overall efficiency (Max)	75%
9. Noise	≤65dB
10. Equipment dimensions W*D*H	730*900*1950(mm)
11. weight	About 378KG

12. Equipment
appearance (for
reference only)



13. Type of power
control module MOSFET

14. Input power co- Three-phase five-wire

nnnection mode		
15. Protect	Anti-islanding protection, island protection, over frequency, over voltage, phase loss protection, etc	
16. Levels of protection	IP20	
3. Functions and performance indicators		
1. Voltage current detection sampling	Four-wire connection (charge and discharge at the same port)	
2. Voltage	Scope of the corridor	Charging: 0V ~6V
		Discharge: 1.5V ~ 6V
	Minimum discharge voltage	1.5V
	Accuracy	±0.02% of FS
	Resolution ratio	24bit
3. Current	Scope of the corridor	Range 1: 0. 15A ~75A; Range 2: 75A ~ 150A; Range 3: 150A ~300A; Range 4: 300A ~ 1200A
	Accuracy (independent range)	±0.02% of FS
	Constant voltage cutoff current	0.05% FS (per independent range)
	Resolution ratio	24bit
4. Power	Single channel output power	7.2KW
	Output power of the machine	43.2KW
5. Time	Current response time (10%FS TO 90%FS)	≤1ms
	Current conversion time (-90%FS TO 90%FS)	≤2ms
	Minimum work step time	10ms
6. Input impedance	≥250KΩ	
7. Charge/discharge mode	Charge/discharge mode	Constant current charge/discharge, Constant voltage charge/discharge, Constant current/constant voltage charge/discharge, Constant power charge/discharge, Constant power/constant voltage charge/discharge, Constant voltage/constant resistance discharge, Constant resistance discharge, Voltage ramp, Current ramp
	cut-off condition	Voltage, current, relative time, capacity, -ΔV

8. Process simulation steps	Charge/discharge mode	Current, power
	Changing-over	Supports continuous switching between charge and discharge
	Cut-off condition	Time, line number
	Download data volume	Supports up to 1 million line working condition downloads
9. Pulse work steps	Charge/discharge mode	Current, power
	Minimum pulse width	10ms
	Number of pulses	A single pulse step can support 32 different pulses
	Changing-over	Supports continuous switching between charge and discharge
	Cut-off condition	Voltage, relative time
10. DCIR DC internal resistance test	Supports custom point selection for DCIR calculation	
11. Security guard	Software protection	Power failure data protection, offline test function, can set safety protection conditions, parameters can be set including: voltage lower limit, voltage upper limit, current lower limit, current upper limit, delay time
	Hardware protection	Reverse protection, overvoltage protection, overcurrent protection, overtemperature protection and so on
4. Data management and analysis		
1. Step setting method	Table editor	
2. Frequency of data records	200Hz	
3. Data base	Use MySQL database to centrally manage test data	
4. Data output mode	Excel 、 Txt	
5. Curve type	Customizable drawings, 4 Y-axes	
6. Scope of cycle testing	1 to 65,535 times	
7. Number of single cycle steps	≤255	
8. Loop nesting	≤10 layer	
5. Communication		
1. Host communication mode	Based on TCP/IP protocol	
2. CI	Ethernet	
3. Communication baud rate of the lower machine	1M bandwidth	

4. Host communicat- ion baud rate	10M ~ 100M adaptive	
5. Organization mode	Build a LAN with switches and routers	
6. Communication expansion (optional)	1. Support CAN, RS485 communication and BMS communication, with DBC configuration function; 2. Support peripheral linkage: environmental test chamber, water cooling machine, pressure fixture, etc	
6. AUX Auxiliary Test System (optional)		
1. Temperature assist channel	Temperature range	T-type thermocouple: -70℃~260℃
	Temperature precision	±1℃
	temperature resolution	0.1℃
2. Voltage assist channel	Voltage range	0V~5V
	Voltage accuracy	±0.02% of FS
	Voltage resolution	16bit
3. AUX brief introduction	It is mainly used for surface and tab temperature monitoring in battery testing process, with high test accuracy. The test data can be bound with main voltage and current data, and the measured temperature can be used as control conditions and protection conditions for process steps.	
7. Environmental requirements		
1. Working temperature	-10℃~40℃ (in the range of 25±5℃, ensure measurement accuracy: precision drift 0.005% of FS /℃)	
2. Storage temperature	-20℃~50℃	
3. Relative humidity of working environment	≤70% RH (no water vapor condensation)	
4. Storage relative humidity	≤80% RH (no water vapor condensation)	
5. Altitude of work	≤2000m; below 2000m reduced usage; for every 100m increase, maximum operating temperature decreases by 1℃	