## **Specifications**

## **CE-6000 Specification**

#### 1, Model

1. Material code

#### CE-6005n-120V300A-H

#### 2、 Channels information

1. Channels quantity	Channels quantity in one unit	5
2. Main channel	Channel feature	Constant current source and constant voltage source dual closed loop control
	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	$\geq 1M\Omega$
5.Input power	211.8KW
6.Input current	321.8A/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~120V
		Discharge:3V~120V
	Min discharge voltage	3V



# **Specifications**

Date:2023-04-25

		Date:2023-04-23
	Accuracy	±0.02% of FS
	Resolution	24bit
2. Current	Output range	1.5A~300A
	Accuracy(independe nt range)	±0.05% of FS
	CV cut-off current	300mA
	Resolution	24bit
2 D	Single channel output power	36KW
3. Power	Whole machine output power	180KW
	Current response time	≪3ms
4. Time	Current conversion time	≪6ms
	Min. step time	0.1s
	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
	Discharge	Current, Power
	Min pulse	100ms
7. Pulse Mode	Pulse counts	Up to 32
	Charge and discharge switch	supported
	Cut-off condition	Voltage, ∆Time
8. DCIR		DCIR by calculation
		Power off data protection
		Offline mode function
9. Safely protection	Software 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.

#### **5**、Data management and analysis

1. Step setting method	
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Form editing

# NEWARE

# **Specifications**

		Minimum time interval: 10ms(connected with AUX
	Recording conditions Recording frequency	channel:100ms)
		Minimum voltage interval: 0.24V
		Minimum current interval: 0.6A
		100Hz(connected with AUX channel:10Hz)
3. Database		MySQL database
4. Data output		Excel, Txt
5. Curve type		Templates available, customization supported
6. Bar code scanning		Support bar-code scanning function
		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
5. 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, dimension and weight

1. 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	$\leq$ 70% RH(no moisture condensation)
4. Storage environment humidity	≤80% RH(no moisture condensation)
5. Dimension W*D*H	950*800*1950(mm)
6. Weight	about 561KG
7. Tester Picture(Pictures just for reference)	

## **Specifications**



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