



EVT6000-500V300A Battery test system										
Model:	EVT6000-	500	V	300	A	Battery test system	SN:	CE-6001	n	-500V300A
Parameters of power grid connection										
Input AC	AC 380V ±15%									
Input voltage range	AC 323~437 V									
AC power grid frequency	50/60 ±5Hz									
AC power factor	>0.99									
Current harmonic ratio	<5%@380Vac full load									
Input Impedance	≥1MΩ									
Input power	176.5 KW									
Input current	268.1 A/Phase									
Efficiency	90%									
Working noise level (Distance 3m)	≤65dB									
Data acquisition method	Kelvin connection									
Power control module	MOSFET									
AC power supply wires	3W+PE									
Channels information										
Channels number	Channel numbers in one set	1								
Main channel	Channels feature	Independent pairs of closed loop for constant current source and constant voltage source.								
	Channels working mode	Independent control								
Parameters of output										
Voltage	Output range(Charge)	0V~500V								
	Output range(Discharge)	10V~500V								
	Min discharge voltage	10V								
	Accuracy	± 0.05% of FS								
	Resolution	24bit								
Current	Output range	1.5A~300A								
	Accuracy	± 0.05% of FS								
	Resolution	24bit								
Output power	150KW									
DCIR	Supported									
Time	Current response time	≤3ms (10% to 90% Load)								
	Current switching time	≤6ms (10% to 90% Load)								

Charge/Discharge modes	Charge modes	CC, CV, CCCV, CP, Pulse, SIM, etc.
	Discharge modes	CC, CP, CV, CCCV, Pulse.
	Cut-off condition	Voltage, Current, Δ Time, Capacity, Δ V
Simulation	Charge	Current, Power
	Discharge	Current, Power
	Chg and Dischg switch	Supported
	Cut-off condition	Time, Step line
	Steps file lines	1,000,000
Pulse Modes	Charge	Current, Power
	Discharge	Current, Power
	Min pulse	100ms
	Pulse counts	up to 32
	Chg and Dischg switch	Supported
	Cut-off condition	Voltage, Time
Protection	Safety protection	<ul style="list-style-type: none"> • Power-off data protection
		<ul style="list-style-type: none"> • Off-line operation mode
		<ul style="list-style-type: none"> • User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.
	Hardware protection	Anti-reverse connection, over voltage/current/temperature, etc
Manage and Analysis Data		
Data record	Safety protection	Min data record interval:10ms
		Min voltage change: 1V
		Min current change: 0.6A
	Frequency	10Hz
Database	MySQL	
Data Export	XLS, PDF, TXT, Plot/Graph	
Communication		
Communication protocols	TCP/IP	
Communication port	Ethernet/COM(between channels)	
Communication extension	CAN, RS485	
Working environment		
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 /°C)	
Storage environment temperature	-20°C~50°C	

Operation environment humidity	≤70% RH(no moisture condensation)
Storage environment humidity	≤80% RH(no moisture condensation)
Clamps and dimensions	
Dimension (W*D*H) (mm)	950*800*1950(mm)
Tester Picture (Pictures just for reference)	
Communication extension (Pictures just for reference)	
	Ring connector