



EVT6000-100V30A Battery test system										
Model:	EVT6000-	100	V	30	A	Battery test system	SN:	CE-6016	n	-100V30A
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						56.5 KW				
Input current						85.8 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				16				
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~100V				
		Output range(Discharge)				3V~100V				
		Min discharge voltage				3V				
		Accuracy				± 0.05% of FS				
		Resolution				24bit				
Current		Output range				0.15A~30A				
		Accuracy				± 0.05% of FS				
		Resolution				24bit				
Output power						48KW				
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, $\Delta$ Time, Capacity, $\Delta$ 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"> <li>● Power-off data protection</li> </ul>
		<ul style="list-style-type: none"> <li>● Off-line operation mode</li> </ul>
		<ul style="list-style-type: none"> <li>● User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>
	Hardware protection	Anti-reverse connection, over voltage/current/temperature, etc
<b>Manage and Analysis Data</b>		
Data record	Safety protection	Min data record interval:10ms
		Min voltage change: 0.2V
		Min current change: 0.06A
	Frequency	10Hz
Database	MySQL	
Data Export	XLS, PDF, TXT, Plot/Graph	
<b>Communication</b>		
Communication protocols	TCP/IP	
Communication port	Ethernet/COM(between channels)	
Communication extension	CAN, RS485	
<b>Working environment</b>		
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)
<b>Clamps and dimensions</b>	
Dimension (W*D*H) (mm)	600*800*1800(mm)
<p>Tester Picture (Pictures just for reference)</p>	
<p>Communication extension (Pictures just for reference)</p>	 <p style="text-align: center;">Ring connector</p>