





IGBT7000-750V300A Battery testing system									
Model:	IGBT7000-	750	V	300	A	Battery testing system	SN:	CE-7002	-750V300A
Items					Values				
AC input voltage					AC 380V ±10%/50Hz				
Output power					450	KW			
Input current					760	A/Phase			
Input power					500	KW			
Voltage	Constant voltage				75V~750V				
	Min discharge voltage				75	V			
	Accuracy				± 0.1% of FS				
	Stability				± 0.1% of FS				
Current	Output range				1.5A~300A				
	Accuracy				± 0.1% of FS				
	CV cut-off current				1.5A				
	Stability				± 0.1% of FS				
Power	Max output power/CH				225KW				
	Stability				±0.2% of FS				
Response time	Current response time				Maximum 10ms				
	Step response time				≤(365*24)hour/step,Time format: 00:00:00.000(h,m,s,ms)				
Data	Data record interval				Minimum record interval: 100ms				
					Minimum voltage record interval: 1.5V				
					Minimum current record interval: 0.6A				
	Max frequency				10Hz				
Charge	Charge mode				Constant current, Constant voltage, Constant current and voltage, Constant power				
	Cut-off				Main channel: Voltage, Current, ΔT, ΔCapacity, ΔV				
Discharge	Discharge mode				Constant current, Constant power, Constant resistance				
	Cut-off				Main channel: Voltage, Current, ΔT, ΔCapacity				
SIM	Charge mode				Current, Voltage				
	Discharge mode				Current, Voltage				
	Cut-off				Time, Command line number				
	Charge and discharge switch				Yes				
	Max SIM command lines				1,000,000				
Cycle	Cycles				Max 65535				
	Steps for each cycle				Max 254				
	Nest for each cycle				Max 3				
Protection	Software Protection				● Power-off data protection				
					● Off-line operation mode				
					● User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.				
Channels feature					Independent pairs of closed loop for constant current source and constant voltage source.				
Energy saving					Discharge energy can be returned to power grid				
Channels working mode					Independent control				
Parallel mode					Yes				

Noise	<75dB		
Database	MySql		
Communication protocol	TCP/IP		
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph		
Harddrive requirement	500GB		
Operating system	Windows 7/8/10 64 bit		
Communication port	Ethernet port		
Items	Values		
Channel numbers in one set	2		
Dimension(W*D*H)(mm)	3210×1100×2160		
Weight(kg)	3750		
Operation and storage environment requirement			
Items	Values		
Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy bias caused by temperature change is less than 50ppm /℃)		
Storage environment temperature	-10℃~50℃		
Operation environment humidity	≤70% RH(no moisture condensation)		
Storage environment humidity	≤80% RH(no moisture condensation)		
Equipment picture (Pictures just for reference)			
Clamps pictures (Pictures just for reference)			
Clamps types	Alligator	Polymer	Ring connector
Aux channels (Optional)	Aux types	Temperature, Voltage	
	Temperature range	-25℃~110℃	
	Temperature accuracy	±1℃	
	Temperature resolution	0.1℃	
	Voltage range	-5V~5V	
	Voltage accuracy	± 0.1% of FS	
Temperature aux channels for each main channel(Optional)	Up to 248		
Voltage aux channels for each main channel(Optional)	Up to 248		
Protection settings for aux channels	Temperature up-limit, bottom-limit; Voltage up-limit, bottom-limit; ΔV of single cell.		