





IGBT7000-100V1000A Battery testing system										
Model:	IGBT7000-	100	V	1000	A	Battery testing system		SN:	CE-7001	-100V1000A
Items					Values					
AC input voltage					AC 380V ±10%/50Hz					
Output power					100	KW				
Input current					169	A/Phase				
Input power					111	KW				
Voltage	Constant voltage				10V~100V					
	Min discharge voltage				10	V				
	Accuracy				± 0.1% of FS					
	Stability				± 0.1% of FS					
Current	Output range				5A~1000A					
	Accuracy				± 0.1% of FS					
	CV cut-off current				5A					
	Stability				± 0.1% of FS					
Power	Max output power/CH				100KW					
	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: 0.2V					
					Minimum current record interval: 2A					
	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	1		
Dimension(W*D*H)(mm)	1350×1000×1750		
Weight(kg)	1230		
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.		