





IGBT7000-300V200A Battery testing system									
Model:	IGBT 7000	300	V	200	A	Battery testing system	SN:	CE-7002	300V20 0A
Items					Values				
AC input voltage					AC 380V \pm 10%/50Hz/60Hz				
Output power					120 kW				
Input current					203A/Phase				
Input power					133kW				
Voltage	Constant voltage				30V~300V				
	Min discharge voltage				30V				
	Accuracy				\pm 0.1% of FS				
	Stability				\pm 0.1% of FS				
Current	Output range				1A~200A				
	Accuracy				\pm 0.1% of FS				
	CV cut-off current				1A				
	Stability				\pm 0.1% of FS				
Power	Max output power/channel				60KW				
	Stability				\pm 0.2% of FS				
Time	Current response time				Maximum 10ms				
	Working step time				\leq (365*24)hour/step, Time format: 00:00:00.000(h,m,s,ms)				
Data	Data record conditions				Minimum data record interval: 100ms				
					Minimum voltage record interval: 0.6V				
					Minimum current record interval: 0.4A				
Max frequency				10Hz					
Charge	Charge mode				Constant current, Constant voltage, Constant current and voltage, Constant power				
	Cut-off				Main channel: Voltage, Current, Δ T, Δ Capacity, Δ V				
Discharge	Discharge mode				Constant current, Constant power, Constant resistance				
	Cut-off				Main channel: Voltage, Current, Δ T, Δ Capacity				
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				<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. 	
Channel feature	Independent pairs of closed loops for constant current source and constant voltage source.		
Energy saving	Discharge energy can be returned to power grid		
Channels working mode	Independent control		
CANBus Communication	Yes		
Parallel mode	Yes		
Noise	<75dB		
Database	MySql		
Communication protocol	TCP/IP		
Data export	EXCEL、TXT、CSV、PDF、Plot/Graph		
Hard drive space 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)	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 types	Temperature, Voltage	
	Temperature range	-25℃~110℃	

Aux channels (Optional)	Temperature accuracy	$\pm 1^{\circ}\text{C}$
	Temperature resolution	0.1 $^{\circ}\text{C}$
	Voltage range	-5V~5V
	Voltage accuracy	$\pm 0.1\%$ 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.