


IGBT7000-800V300A Battery testing system			
Model:	IGBT7000-	800	V 300 A Battery testing system SN: CE-7001 -800V300A
Items	Values		
AC input voltage	AC 380V \pm 10%/50Hz		
Output power	240	KW	
Input current	405	A/Phase	
Input power	267	KW	
Voltage	Constant voltage	80V~800V	
	Min discharge voltage	80	V
	Accuracy	\pm 0.1% of FS	
	Stability	\pm 0.1% of FS	
Current	Output range	1.5A~300A	
	Accuracy	\pm 0.1% of FS	
	CC cut-off current	0.6A	
	Stability	\pm 0.1% of FS	
Power	Max output power/CH	240KW	
	Stability	\pm 0.2% of FS	
Response time	Current response time	Maximum 100ms	
	Step response time	\leq (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: 1.6V	
		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, 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, Δ V	
SIM	Charge mode	Current, Voltage	
	Discharge mode	Current, Voltage	
	Cut-off	Time, Command line number	
	Charge and discharge	Yes	
	Max SIM command lines	100,000	
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 • 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: 1350*733*1800(mm)	
Operation and storage environment requirement		
Items	Values	
Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error 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		
Auxiliary channels		
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
Tempearture aux channels for each main	Up to 248	
Voltage aux channels for each main	Up to 248	
Protection settings for aux channels	Temperatue up-limit, bottom-limit; Voltage up-limit, bottom-limit; ΔV of single cell.	