


IGBT7000-500V300A Battery testing system			
Model:	IGBT7000-	500	V 300 A Battery testing system SN: CE-7002 -500V300A
Items		Values	
AC input voltage		AC 380V \pm 10%/50Hz	
Output power		300	KW
Input current		506	A/Phase
Input power		333	KW
Voltage	Constant voltage	50V~500V	
	Min discharge voltage	50	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	150KW	
	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: 1V	
		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	2	
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.	