


IGBT7000-60V1000A Battery testing system								
Model:	IGBT7000-	60	V	1000 A	Battery testing system	SN:	CE-7001	-60V1000A
Items		Values						
AC input voltage		AC 380V \pm 10%/50Hz						
Output power		60	KW					
Input current		101	A/Phase					
Input power		67	KW					
Voltage	Constant voltage	6V~60V						
	Min discharge voltage	6	V					
	Accuracy	\pm 0.1% of FS						
	Stability	\pm 0.1% of FS						
Current	Output range	5A~1000A						
	Accuracy	\pm 0.1% of FS						
	CC cut-off current	2A						
	Stability	\pm 0.1% of FS						
Power	Max output power/CH	60KW						
	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: 0.12V						
		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, 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.	