

CE-5008Q-20V30A Battery Testing System

SN:		CE-5008Q-20V30A	
Items		Values	
Input AC		AC: 220V +10% / -20% / 50Hz	
Input power		7000	W (3 inverters)
Resolution		AD: 16 bit; DA: 16bit	
Input impedance		$\geq 1M\Omega$	
Voltage	output range	2.5V~20V	
	Accuracy	$\pm 0.02\%$ of range	
	Stability	$\pm 0.02\%$	
Current	Output range/channel	30mA-30A	
	Accuracy	$\pm 0.03\%$ of range	
	Stability	0.02%	
Power	Output power/channel	600	W
	Stability	$\pm 0.05\%$ of FS	
Time	Current response time	The hardware response time reaches 30 ms when the current rises to 30 A.	
	Working step time	1~65535min/step	Timeformat-00: 00: 00.000(h、m、s、ms)
Data record	Data record conditions	Time Δt : (0.01s~300s)	
		Voltage ΔU : (20mV~20V)	
		Current ΔI : (30mA~30A)	
	Frequency	100Hz	
Charge	Charge modes	CC、CV、CCCV	
	Cut-off condition	Voltage、Current、Time、Capacity	
Discharge	Discharge modes	CC、CP	
	Cut-off condition	Voltage、Current、Time、Capacity	
Cycle		Max cycles	65535
		Max steps	255
		Cycle nest	4
Protection	Safety protection		●Power-off data protection
			●User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.

	Hardware protection	●Poka-Yoke, input over-voltage, output over-voltage, input over-current, output over-current, overtemperature, overload, output no-load.	
Channels feature	Energy saving model, discharged energy can be used by charging channels or go back to power grid. Switch frequency up to 200kHz, low power ripple and noise. Compact cabinet design, less room taken. Both voltage and current independently closed loop. Data record frequency up to 100Hz. 1GB memory available for offline mode(data will be saved on the tester if PC offline).		
Channels control mode	Independent control		
Data acquisition method	Kelvin connection		
Noise	< 80dB		
Communication	TCP/IP		
Operating system	Windows7/8/10 64bit		
Data export	EXCEL、TXT、Graph		
Communication port	Ethernet 10/100M		
Channels per unit	8		
Operation and storage environment requirement			
Items	Values		
Operation environment temperature	10℃~40℃		
Storage environment temperature	10℃~45℃		
Operation environment humidity	30% ~ 80% RH(no moisture condensation)		
Storage environment humidity	30% ~ 90% RH(no moisture condensation)		
Clamps and dimensions			
Items	Values(Pictures just for reference)		
Clamps pictures			
	Alligator	Polymer	Coin
Dimensions (W*D*H) (mm)	500*480*86		
SMBUS features			
Items	Values(Pictures just for reference)		

Hardware compatibility	Supports SMBUS, I2C, VELOZ communication protocols.
Software compatibility	Supports standard specification field commands defined in Smart Battery Data Specification Revision 1.1.
Data reading frequency	1S