SpecificationsofCT-9004-5V5A-GSM

Items		Values
AC input		AC220V ±10%50Hz/ AC 110V ±10%50Hz
Resolution		AD：16bit；DA：16bit
Input impendence		≥ 500MΩ (power on),LC=100uA(power off)
Input power		500w
Features		4 ranges, high acquisition frequency, high accuracy
Channels control mode		Independent control
Voltage	Voltage output	Charge：0.7 V~5V；Discharge：0.7 V~5V（0.5m data wire)
	Lowest output voltage	0.7 V （0.5m data wire)
	Accuracy	± 0.02% of FS
	Stability	±0.005%of FS
Current	Current output ranges	Range1: 0.1uA---150uA
		Range2: 150uA---5mA
		Range3: 5mA---150mA
		Range4: 150mA---5A
	Accuracy	± 0.02% of FS
		Range1: ± 30nA
		Range2: ± 1uA
		Range3: ± 30uA
		Range4: ± 1mA
	Stability	±0.005%of FS
Power	Output power/CH	25W
	Stability	± 0.01% of FS
Time	Current response time	<= 100μS (10%to 90%or90%to 10%);
	Testing step time range	>=10ms
Data record	Data record conditions	Time △t：>=1ms
		Voltage △U：>= 1mV
		Current △I：>= 100nA
	Frequency	1000Hz, **Pulse (all CH)**
Charge	Modes	CC, CCCV, CV, CP, CR
	End conditions	Voltage, Current, △t, Capacity, Energy, Power
Discharge	Modes	CC, CP, CR, Pulse
	End conditions	Voltage, Current, △t, Capacity
Pulse	Charge	CC, CP

	Discharge	CC, CP
	Min. pulse width	400μs
	Pulses counts	Up to 16 changes in each pulse
	End conditions	Voltage, △t
DCIR	**Can be calculated by software**	
Cycle	**Max cycles**	65535
	Max steps in each cycle	255
	Max cycle nest	4
Protection	**Safety protection**	Power-off data protection
		Off-line operation mode
		User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.
Data acquisition method		Kelvin connection
Database		MySQL
Data export		Xls, txt, PDF, Graph/Plot
Communication		Ethernet
Channels		4
Dimensions		48*33*13 (cm)
Clamps		204Air-plug, Polymeror alligator available
Operating system		Windows7/10 64 bit for the best

Operation and storage environment requirement

Operation environment temperature	0℃~40℃ (When the temperature is 25±10℃, the accuracy error caused by temperature change is less than50ppm /℃)
Storage environment temperature	-10℃~50℃
Operation environment humidity	≤70%RH(no moisture condensation)
Storage environment humidity	≤80%RH(no moisture condensation)