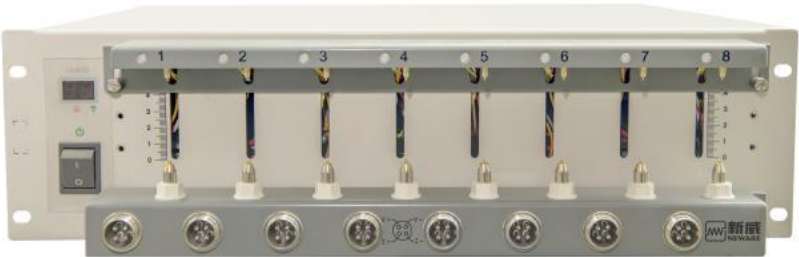





BTS4000-5V12A Battery testing system			
Model:	BTS4000-	5V12A	Battery testing system SN: CT-4008Tn-5V12A
Items		Values	
Input AC		AC 220V $\pm$ 10% / 50Hz	
Input power		826 W	
Resolution		AD: 16bit; DA: 16bit	
Input impedance		$\geq$ 1M $\Omega$	
Voltage	CV output range	25mV~5V	
	Min discharge voltage	2.0V for universal holder, 2.5V for 2m cable	
	Accuracy	$\pm$ 0.05% of FS	
	Stability	$\pm$ 0.05% of FS	
Current	Output range/channel	<b>Range1: 5mA-1A; Range2: 1A-6A; Range2: 6A-12A</b>	
	Accuracy	$\pm$ 0.05% of FS	
	CV cut-off current	Range1: 2mA; Range2: 12mA; Range3: 24mA	
	Stability	$\pm$ 0.05% of FS	
Power	Output power/channel	60	W
	Stability	$\pm$ 0.1% of FS	
Time	Current response time	Max rising time:1ms (10%FS~90%FS)	
	Working step time	$\leq$ (365*24)h/step Time format-00:00:00.000(h,m,s,ms)	
Data record	Data record conditions	Min data record interval: 100ms	
		Min voltage change: 10mV	
		Min current change: 2mA; 12mA; 24mA	
Frequency	10Hz		
Charge	Charge modes	CC,CV,CCCV,CP	
	Cut-off condition	Voltage,Current,Time,Capacity,- $\Delta$ V	
Discharge	Discharge modes	CC,CP,CR,CV	
	Cut-off condition	Voltage,Current,Time,Capacity	
Pulse	Charge	CC,CP	
	Discharge	CC,CP	
	Min pulse width	500ms	
	Pulse counts	Up to 32	
	Cut-off condition	Voltage,Time	
DCIR	Supported		
Cycle	Max cycles	65535	
	Max steps	254	
	Cycle nest	3	
Protection	Safety protection	Power-off data protection	
		<ul style="list-style-type: none"> <li>Off-line operation mode</li> </ul>	
		<ul style="list-style-type: none"> <li>User-defined protection conditions, such as upper and lower limited current/voltage, delay time, temperature, etc.</li> </ul>	

Channels feature	Independent pairs of closed loop for constant		
Channels control mode	Independent control		
Data acquisition method	Kelvin connection		
Noise	<85dB		
Database	MySQL		
Communication	TCP/IP		
Operating system	Windows 7/8/10 64 bit		
Data export	EXCEL,TXT,CSV,PDF,Plot/Graph		
Disk drive	500GB		
Communication port	Ethernet port		
Leak Current	<5 $\mu$ A		
Channels per unit	8		
<b>Operation and storage environment requirement</b>			
<b>Items</b>	<b>Values</b>		
Operation environment temperature	0 $^{\circ}$ C~40 $^{\circ}$ C (When the temperature is 25 $\pm$ 10 $^{\circ}$ C, the accuracy error caused by temperature change is less than 50ppm / $^{\circ}$ C)		
Storage environment temperature	-10 $^{\circ}$ C~50 $^{\circ}$ C		
Operation environment humidity	$\leq$ 70% RH(no moisture condensation)		
Storage environment humidity	$\leq$ 80% RH(no moisture condensation)		
<b>Clamps and dimensions</b>			
<b>Items</b>	<b>Values</b>		
Tester pictures (Pictures just for reference)			
Clamps pictures (Pictures just for reference)			
	Alligator	Polymer	Ring connector
Dimensions (W*D*H) (mm)	3U19",483*563*130		