



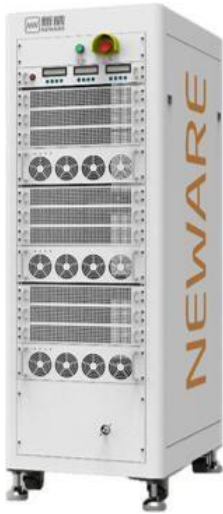
## Technical Specifications

### BTS-120V50A Battery Testing Equipment

Equipment Model : BTS-120V50A Battery Testing Equipment

Equipment Item Code : CE-6012-120V50A

Battery Side Parameters		
Rated Power		72 KW
Voltage Range		10~120V
Per Channel Current Range		0.1~50A
Per Unit Main Channels No.		12
Voltage	Dual Range (FS)	60V
		120V
	Resolution	AD:16bit
	Accuracy	$\pm 0.05$ FS
Current	Dual Range (FS)	15A
		50A
	Resolution	AD:16bit
	Accuracy	$\pm 0.05\%$ FS
Power Accuracy		$\pm 0.2\%$ of FS
Charge/Discharge mode		CC,CV,CCCV,CP,Pulse,Driving Cycle Simulation
Current Switch Time (-90% to 90% Load)		$\leq 10$ ms
Current Response Time (10% to 90% Load)		$\leq 5$ ms
Current Ripple Noise		$< 0.5\%$ FS
Temperature Coefficient (Voltage/Current)		$< 50$ ppm/ $^{\circ}$ C
Data Record Frequency		10Hz
Charge/Discharge Efficiency		$> 85\%$
Grid Side Parameters		
Rated Grid Voltage		380/400/415Vac
Voltage Range		323~437Vac
Frequency Range		50/60 $\pm 5$ Hz
Current Harmonics		$< 5\%$ @ 380Vac,full load

Power Factor	0.99@380Vac,full load	
Wiring Mode	3W+PE	
Environment		
Working Temperature Range	-10°C ~+45°C	
Storage Temperature Range	-20°C ~+50°C	
Cooling Method	Force-air cooling	
Noise(more than 3m)	≤65db	
Maximum Allowable Altitude	3000m	
Relative Humidity Range	5%~95% (no moisture condensation)	
Picture and Dimension		
Tester Picture		
Dimensions (W*D*H) (mm)	600*1800*800mm	
Weight	320KG	
Protection Level	IP20	
Communication	TCP/IP	
Communication port	Ethernet port	
Auxiliary channels (Optional)		
Aux channels	Aux types	Temperature, Voltage
	Temperature range	-25°C~110°C
	Temperature accuracy	±1°C
	Temperature resolution	0.1°C
	Voltage range	-5V~5V
	Voltage accuracy	± 0.1% of FS
Temperature aux channels for each main channel (Optional)	Up to 248	

Voltage aux channels for each main channel (Optional)	Up to 248
Protection settings for aux channels	Temperature up-limit, bottom-limit; Voltage up-limit, bottom-limit; $\Delta V$ of single cell.