



## High Current Electronic Load (600W-1200W)



**ELCH600 & 1200** are big power DC electronic load. They are equipped with VFD displays, numeric keypads and rotary knobs for ease of use and quick operating and are capable to work with CC/CR/CV/CW modes.

Voltage, current resistance and power can be displayed on the VFD or computer screen. We also offer you quick programming and calibration software (PV-8500/PC-8500) for ease of programming and calibration.

- Low lead resistance <5m Ohm for Fuel-cell Battery Testing
- VFD display
- High resolution 0.1mA/1mV
- Voltage range 0V to 500V
- Working mode CV/CC/CW/CR
- OV/OC/OP/OT protection
- Communication: USB/RS232/GPIB

### OPTION ACCESSORY

E131 communication cable(RS232)  
AT-132 communication cable(USB)  
AT-E133 GPIB communication cable.  
AT-E151 19" rack mount.

PV8500 Programming Software is a easy-operation graphical user interface for the AT8500 series power supply.

PC8500 Calibration Software is a convenient to calibrate the instrument and print the calibration report automatically.

## AT8500 SERIES DC ELECTRONIC LOADS

Parameter		ELHC600	ELHC1200
Input Rating(0°C-40°C)	Voltage	0-120V	0-120V
	Current	1mA-120A	1mA-240A
	Power	600W	1200W
Load Regulation	<b>Range</b>	<b>Accuracy</b>	<b>Resolution</b>
	0-120V	±(0.05% + 0.025%FS)	10mV
	0-12/24A	±(0.1% + 0.1%FS)	1mA
	0-120/240A	±(0.2% + 0.15%FS)	10mA
CV Mode Regulation	1.5-18V	±(0.05% + 0.02%FS)	1mV
	1.5-120V	±(0.05% + 0.025%FS)	10mV
CC Mode Regulation	0-12/24A	±(0.1% + 0.1%FS)	1mA
	0-120A/240A	±(0.2% + 0.15%FS)	10mA
CR Mode Regulation	0.03-10Ω	±(1% + 0.3%FS)	0.001Ω
Input Current >FS10%	10-99Ω	±(1% + 0.3%FS)	0.01Ω
Input Voltage >FS10%	100-999Ω	±(1% + 0.3%FS)	0.1Ω
	1K-4KΩ	±(1% + 0.8%FS)	1Ω
CW Mode Regulation	0-100W	±(1% + 0.1%FS)	1mW
Input Current >FS10%	100-1200W	±(1% + 0.1%FS)	100mW
Input Voltage >FS10%			
Current Measurement	0-12/24A	±(0.1% + 0.1%FS)	1mA
	0-120A/240A	±(0.2% + 0.15%FS)	10mA
Voltage Measurement	1.5-18V	±(0.02% + 0.02%FS)	1mV
	1.5-120V	±(0.02% + 0.025%FS)	10mV
Power Measurement	0-100W	±(1% + 0.1%FS)	1mW
Input Current >FS10%	100-1200W	±(1% + 0.1%FS)	100mW
Input Voltage >FS10%			
Battery TestingFunction	Input = 0.8-120V Resolution = 10mA	Max measurement capacity = 999A/H Timer range = 1~60000 sec	
Transition Mode	Range of Frequency 0.1Hz-1kHz Frequency error rate <0.5%		
Dimension (mm)	429W x 88.2H x 354.6D		
Weight (Kg)	13		



### POWER CONTROLS & CONVERSION DIVISION

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