



ELCH300 is a high quality and high performance single channel DC electronic load. They are equipped with VFD display, numeric keypads and rotary knob for ease 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 quick programming and calibration software (PV-8500/PC-8500) for ease of programming and calibration.

- 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

AT-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 convenient to calibrate the instrument and print the calibration report automatically.

AT8500 SERIES DC ELECTRONIC LOADS

Parameter		EL150	EL300	ELHV150	ELHV300	ELHC150	ELHC300
Input Rating (0°C-40°C)	Voltage	0-120V	0-120V	0-500V	0-500V	0-120V	0-120V
	Current	1mA-30A	1mA-30A	1mA-25A	1mA-25A	1mA-60A	1mA-60A
	Power	150W	300W	150W	300W	150W	300W
Load Regulation	Range	Accuracy	Resolution	Accuracy	Resolution	Accuracy	Resolution
	0-18V	±(0.05% + 0.02%FS)	1mV	±(0.05% + 0.02%FS)	1mV	±(0.05% + 0.02%FS)	1mV
	0-120V/500V	±(0.05% + 0.025%FS)	10mV	±(0.05% + 0.025%FS)	10mV	±(0.05% + 0.025%FS)	10mV
	0-3A	±(0.05% + 0.1%FS)	0.1mA	±(0.05% + 0.1%FS)	0.1mA	±(0.05% + 0.1%FS)	0.1mA
CV Mode Regulation	0-30A/15A	±(0.1%+0.1%FS)	1mA	±(0.1%+0.1%FS)	1mA	±(0.15%+0.2%FS)	1mA
	1.5-18V	±(0.05% + 0.02%FS)	1mV	±(0.05% + 0.02%FS)	1mV	±(0.05% + 0.02%FS)	1mV
CC Mode Regulation	1.5-120V/500V	±(0.05% + 0.025%FS)	10mV	±(0.05% + 0.025%FS)	10mV	±(0.05% + 0.025%FS)	10mV
	0-3A	±(0.05% + 0.1%FS)	0.1mA	±(0.05% + 0.1%FS)	0.1mA	±(0.1% + 0.1%FS)	0.1mA
CR Mode Regulation	0-30A/15A	±(0.1% + 0.1%FS)	1mA	±(0.1% + 0.1%FS)	1mA	±(0.15% + 0.25%FS)	1mA
	0.1-10Ω	±(1% + 0.3%FS)	0.001Ω	±(1% + 0.3%FS)	0.001Ω	±(1.5% + 0.2%FS)	0.001Ω
Input Current ≥FS10%	10-99Ω	±(1% + 0.3%FS)	0.01Ω	±(1% + 0.3%FS)	0.01Ω	±(1% + 0.3%FS)	0.01Ω
	100-999Ω	±(1% + 0.3%FS)	0.1Ω	±(1% + 0.3%FS)	0.1Ω	±(1% + 0.3%FS)	0.1Ω
Input Voltage ≥FS10%	1K-4KΩ	±(1% + 0.8%FS)	1Ω	±(1% + 0.8%FS)	1Ω	±(1% + 0.8%FS)	1Ω
	0-100 W	±(1% + 0.1%FS)	1mW	±(1% + 0.1%FS)	1mW	±(1% + 0.1%FS)	1mW
CW Mode Regulation	100-300 W	±(1% + 0.1%FS)	10mW	±(1% + 0.1%FS)	10mW	±(0.1% + 0.1%FS)	10mW
	0-3A	±(0.1% + 0.1%FS)	0.1mA	±(0.1% + 0.1%FS)	0.1mA	±(0.1% + 0.2%FS)	0.1mA
Current Measurement	0-30A/15A	±(0.2% + 0.15%FS)	1mA	±(0.2% + 0.3%FS)	1mA	±(0.2% + 0.5%FS)	1mA
	1.5-18V	±(0.02% + 0.02%FS)	1mV	±(0.02% + 0.02%FS)	1mV	±(0.02% + 0.02%FS)	1mV
Voltage Measurement	1.5-120V/500V	±(0.02% + 0.025%FS)	10mV	±(0.02% + 0.025%FS)	10mV	±(0.02% + 0.025%FS)	10mV
	0-100W	±(1% + 0.1%FS)	1mW	±(1% + 0.1%FS)	1mW	±(1% + 0.1%FS)	1mW
Power Measurement	100-300W	±(1% + 0.1%FS)	10mW	±(1% + 0.1%FS)	10mW	±(1% + 0.1%FS)	10mW
	Input Current ≥FS 10%						
Input Voltage ≥FS 10%							
Battery Testing Function	Input = 0.8-120V Max measurement capacity = 999A/H Resolution = 10mA Timer range = 1-60000 sec						
Transition Mode	Range of Frequency 0.1Hz-1kHz Frequency error rate < 0.5%						
Dimension	429mm (W) x 88.2mm (H) x 354.6mm (D)						
Weight	13Kg						



POWER CONTROLS & CONVERSION DIVISION

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