

BK PRECISION 300W Programmable DC Electronic Load**Back to [Programmable DC Electronic Load Main Page](#)**

The model 8500 is an affordable full-featured Programmable Electronic DC Load with a high degree of accuracy and great display resolution. They are great units for DC Power Supply and DC-DC Converter testing and calibration. Because they are fully programmable via the RS 232 or optional USB interface they are ideal for Automated Test Systems.



- Operates Between 0-120VDC, 1mA-30A (300W MAX)
- High Resolution 0.1mA/1mV (range dependent)
- VFD Display
- CV/CC/CW/CR Operation
- Over-Current/Over-Voltage/Over-Power/Over Temperature Protected
- RS 232 Interface Cable and Software Included
- Optional USB Interface Available (order IT-E132)
- Thermostat Controlled Internal Fan

Specifications		model 8500	
Input rating (0 ~ 40°C)	Voltage	0 to 120V	
	Current	1mA to 30A	
	Power	300W	
Load Regulation	Range	Accuracy	Resolution
	0-18V	$\pm(0.05\%+0.02\%FS)$	1mV
	0-120V/500V	$\pm(0.05\%+0.025\%FS)$	10mV
	0-3A	$\pm(0.1\%+0.1\%FS)$	0.1mA
CV Mode Regulation	0-30A/15A	$\pm(0.2\%+0.15\%FS)$	1mA
	1.5-18V	$\pm(0.05\%+0.02\%FS)$	1mV
CC Mode Regulation	1.5-120V/500V	$\pm(0.05\%+0.025\%FS)$	10mV
	0-3A	$\pm(0.1\%+0.1\%FS)$	0.1mA
CR Mode Regulation Input Current $\geq FS$ 10% Input Voltage $\geq FS$ 10%	0-30A/15A	$\pm(0.2\%+0.15\%FS)$	1mA
	0.1-10 Ω	$\pm(1\%+0.3\%FS)$	0.001 Ω
	10-99 Ω	$\pm(1\%+0.3\%FS)$	0.01 Ω
	100-999 Ω	$\pm(1\%+0.3\%FS)$	0.1 Ω
CW Mode Regulation Input Current $\geq FS$ 10% Input Voltage $\geq FS$ 10%	1K-4K Ω	$\pm(1\%+0.8\%FS)$	1 Ω
	0-100W	$\pm(1\%+0.1\%FS)$	1mW
Current Measurement	100-300W	$\pm(1\%+0.1\%FS)$	10mW
	0-3A	$\pm(0.1\%+0.1\%FS)$	0.1mA
Voltage Measurement	0-30A/15A	$\pm(0.2\%+0.15\%FS)$	1mA
	1.5-18V	$\pm(0.02\%+0.02\%FS)$	1mV
Power Measurement Input Current $\geq FS$ 10% Input Voltage $\geq FS$ 10%	1.5-120V/500V	$\pm(0.02\%+0.025\%FS)$	10mV
	0-100W	$\pm(1\%+0.1\%FS)$	1mW
Battery testing function	100-300W	$\pm(1\%+0.1\%FS)$	10mW
	Input=0.8-120V/500V Max measurement capacity=999A/H Resolution=10mA Timer range=1~60000sec		
Transition Mode	Range of Frequency 0.1Hz-1kHz Frequency error rate <0.5%		
Weight	11.6lb. (5.25kg)		