

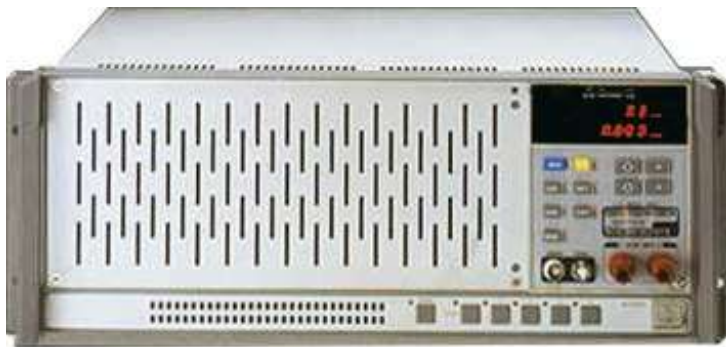


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ELPA-3260 AC Electronic Load with adjustable PF

Description

While primarily aimed at AC applications this series of Electronic loads can also be used for DC testing. A comprehensive feature set is provided as standard. Stored within the units non volatile memory is a waveform bank. When in constant current operation the user can select between sine, square and dc waveforms. Peak currents can be simulated with the crest factor mode. A leading or lagging power factor can be set with adjustments from unity to between 0.85 and 0.3. The desired wave can be recalled from the front panel or selected via the GPIB and RS232 interfaces. The loads can also be operated in constant resistance or linear CC mode. To aid production testing upper and lower limits can be set with GO/NG indication. The dual 4½ digit displays simultaneously display the voltage and current taken by the load. A wattmeter and VAmeter are also available. Remote sense is provided as standard. These AC Loads are used in many applications. With their ability to sink step and squarewaves they are particularly suitable for Inverter, AVR & UPS testing.



- Sine, step & squarewave loading functions
- Adjustable leading & lagging power factor
- GPIB & RS232 with LabVIEW drivers
- Last setting memory function
- CC, CR & crest factor mode
- DC to 400Hz operation

Selection Table

Part Number	Maximum Power	Maximum Voltage	Current Range	Dimensions (Width x Height x Depth)
ELPA-3260	1200VA	300Vrms / 300 Vdc	0 - 12Arms	19" x 4U x 445mm
ELPA-3261	1800VA	300Vrms / 300Vdc	0 - 18Arms	19" x 4U x 445mm

Options Table

Code	Description
/0001.....	1m IEEE488.2 cable
/0002.....	2m IEEE488.2 cable
/0003.....	2m RS232 cable
/9931.....	Remote controller

Technical Data and Waveform Bank Table Overleaf



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Technical Data

CC & Linear CC Mode

	ELPA-3260	ELPA-3261
Range 1	0 - 6Arms	0 - 9Arms
Range 1 Resolution	1.5mA	2.25mA
Range 2	6 - 12Arms	9 - 18Arms
Range 2 Resolution	3mA	4.5mA
Low Current Accuracy	<600mA is ± 2% of (setting + range)	<900mA is ± 2% of (setting + range)
Standard Accuracy	±0.5% of (setting + range)	
Crest Factor (CC Mode only)	$\sqrt{2}$ to 3.5 1.5 to 1.9 3.2 to 3.4	
Frequency Range	CCMode: DC, 40-400Hz LIN Mode: DC - 400Hz	

CR Mode

	ELPA-3260	ELPA-3261
Range 1	5 - 20kΩ	3.333 - 13.332kΩ
Range 1 Resolution	0.05mS	0.076mS
Range 2	20 - 80kΩ	13.332 - 53.332kΩ
Range 2 Resolution	0.013mS	0.019mS
Accuracy	±0.5% of (setting + range)	
Frequency Range	CR Mode: DC - 400Hz	

4½ DVM

	ELPA-3260	ELPA-3261
Range	300V	300V
Resolution	0.1V	0.1V
Accuracy	±0.5% of reading + 0.2% of range	

4½ DAM

	ELPA-3260	ELPA-3261
Range	12A	18A
Resolution	0.001A	0.001A
Accuracy	±0.5% of (reading + range)	

Watt & VA Meter

	ELPA-3260	ELPA-3261
Range	1200W	1800W
Resolution	0.1W	
Accuracy	±0.5% of (reading + range)	
VA Meter	Vrms x Arms Correspond to Vrms and Arms	

Other

	ELPA-3260	ELPA-3261
Current Monitor (Isolated)	3A/V	4.5A/V
Weight	18.5kg	21.5kg
Protection	over power, over current, over voltage & over temperature	
Line Input	115 / 230Vac ± 10 at 50/60Hz	

Power & Crest Factor Table

Waveform Bank	Sinewave 0	Sinewave 1	Sinewave 2	CF = 2 3	CF = 2.5 4	CF = 3.5 5	CF = 2 6	CF = 2.5 7	CF = 3.5 8	Square 9	DC 10
A	$\sqrt{2}$	1.5	3.0	PF: -0.85	PF: -0.70	PF: -0.50	PF: +0.85	PF: +0.70	PF: +0.50	1	$\sqrt{2}$ dc
B	2	1.6	3.1	PF: -0.80	PF: -0.65	PF: -0.45	PF: +0.80	PF: +0.65	PF: +0.45	1.1	2dc
C	2.5	1.7	3.2	PF: -0.75	PF: -0.60	PF: -0.40	PF: +0.75	PF: +0.60	PF: +0.40	1.2	2.5dc
D	3.0	1.8	3.3	PF: -0.70	PF: -0.50	PF: -0.35	PF: +0.70	PF: +0.50	PF: +0.35	1.3	3dc
E	3.5	1.9	3.4	PF: -0.65	PF: -0.40	PF: -0.30	PF: +0.65	PF: +0.40	PF: +0.30	1.4	3.5dc
						Lagging Power Factor			Leading Power Factor		