

ELP-3320

STATIC DC ELECTRONIC LOAD MODULES



POSITIVE PROBLEM SOLVING **+ =**

The ELP-3320 series is the ideal low cost solution when only adjustable constant current operation is required.

The units feature dual ranges thus providing a tight setting resolution in the lower range. Sink values can be preset before activating the load's input. The current slew rate can be adjusted in 3 steps with the fastest fall times possible in the higher current range. Operating the low resistance short mode allows the user to read the actual short current up to the Electronic Load's maximum rating.

- + Adjustable Current Slew Rate Control
- + Constant Current & Short Modes
- + Dual 4½ Digit Displays for V & I
- + Over V, W & °C Protection
- + Up to 500VDC Operation
- + Output for Oscilloscope

ELP-3320

STATIC DC ELECTRONIC LOAD MODULES

FURTHER DETAILS

An isolated current monitor allows the load current to be viewed on an oscilloscope. Up to 4 modules from this series can be housed in the ELP-3301A mainframe, if only a single module is required then the desktop ELP-3302C mainframe should be chosen.

SELECTION TABLE

Part Number	Max Power	Operation Voltage	Current Range	Module Weight	Dimensions [W × H × D]
ELP-3320	150W	60V	0 - 30A	3.5kg	108 × 143 × 405mm
ELP-3321	300W	60V	0 - 60A	3.5kg	108 × 143 × 405mm
ELP-3322	300W	250V	0 - 10A	3.5kg	108 × 143 × 405mm
ELP-3324	200W	500V	0 - 5A	3.5kg	108 × 143 × 405mm
ELP-3325	75W	60V	0 - 15A	3.5kg	108 × 143 × 405mm

OPTIONS

CODE	DESCRIPTION
/VCS	Add Vsense control switch for low voltage operation
/DSK	Disable short key function for parallel or battery life testing
/3301A	4 slot mainframe (separate summary available)
/3302C	Single slot mainframe with RS-232 (separate summary available)
/3302C-GPIB	Single slot mainframe with RS-232 & GPIB (separate summary available)
/9931	Remote controller
/0001	1m IEEE488.2 cable
/0002	2m IEEE488.2 cable
/0003	2m RS232 cable



TECHNICAL DATA

	ELP-3320	ELP-3321	ELP-3322	ELP-3324	ELP-3325
Typical Short Resistance	0.03Ω	0.02Ω	0.04Ω	0.12Ω	0.08Ω
Amp Monitor	3A / V	6A / V	1A / V	0.5A / V	1.5A / V
Accuracy	± (2% + 5mA)	± (2% + 10mA)	± (2% + 2mA)	± (2% + 2mA)	± (2% + 5mA)
Cooling	Fan cooled				

CC MODE

Range 1 [Resolution]	0 - 3A [0.75mA]	0 - 6A [1.5mA]	0 - 1A [0.25mA]	0 - 0.5A [0.125mA]	0 - 1.5A [0.75mA]
Range 2 [Resolution]	0 - 30A [7.5mA]	0 - 60A [15mA]	0 - 10A [2.5mA]	0 - 5A [1.25mA]	0 - 15A [7.5mA]
Accuracy	± 0.2% of [setting + range]				

SLEW RATE

Fast	50 / 500mA / μS	0.1 / 1A / μS	16 / 160mA / μS	10 / 100mA / μS	30 / 300mA / μS
Medium	30 / 300mA / μS	60 / 600mA / μS	10 / 100mA / μS	6 / 60mA / μS	10 / 100mA / μS
Slow	10 / 100mA / μS	20 / 200mA / μS	3.3 / 33mA / μS	0.83 / 8.33mA / μS	2.5 / 25mA / μS

4½ DVM

Range 1 [Resolution]	20V [0.001V]	20V [0.001V]	20V [0.001V]	200V [0.01V]	20V [0.001V]
Range 2 [Resolution]	60.00V [0.01V]	60.00V [0.01V]	250.0V [0.01V]	500.0V [0.1V]	60.00V [0.01V]
Accuracy	± 0.05% of reading [+ 2 count]				

4½ DAM

Range	30.00A	60.00A	10.00A	5.00A	15.00A
Resolution	0.01A	0.01A	0.001A	0.001A	0.001A
Accuracy	± 0.2% of reading [+ 2 count]				

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ETPS Ltd must reserve the right to make changes to the published specifications without prior notice. Where certain operating parameters are critical for your application we advise that they be confirmed at the time of order. ETPS Ltd specialises in modifying its proven platforms to suit your needs. Please contact our office if your requirement is non-standard. Please note that your actual unit may differ from those shown.



“
WE ARE
POSITIVE
PEOPLE
”

ETPS engineer electronic power supply and testing systems. Our problem solving skills provide the spark of innovation to some of the world's leading technology brands.



Tel: +44 (0) 1246 452909
Sales: 0800 612 95 75
sales@etps.co.uk
www.etps.co.uk

ETPS Ltd
Unit 14, The Bridge
Beresford Way, Chesterfield
S41 9FG



POSITIVE PROBLEM SOLVING