

ELP-3350F

HIGH CURRENT DC LOAD



POSITIVE PROBLEM SOLVING **+ =**

These high current DC Sources offer an incredible amount of functionality for the cost. The large front panel display shows voltage, current and power simultaneously.

A full range of computer interfaces are available upon request. LabVIEW drivers can also be provided, making the ELP-3350F series ideal for larger system integration. The unit can be set to operate in constant current, resistance, voltage and power operating modes. True dynamic operation is available in CC & CP modes. This enables the user to simulate real world load conditions by switching between current levels and adjusting the rise and fall times.

- + CC, CR, CV, CP, Dynamic & Short Mode**
- + Full Range of Computer Interfaces**
- + OCP, OPP & Short Test Functions**
- + Automatic Sense Adjustment**
- + Scope Output**

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FURTHER DETAILS

To alter the frequency and duty cycle the total time that the waveform is high and low can also be adjusted remotely or locally.

An external input is provided so that the load can follow a signal from an arbitrary waveform generator. A BNC output is also available to monitor the current waveform on an external oscilloscope.

The ELP-3350F series is also built with an OCP, OPP and short test function. The time that the load simulates a short circuit can be set along with the short voltage high and low levels. The actual short circuit voltage and current can be measured.

The easy to use front panel memory function is ideal for quickly implementing common test procedures when the unit is in use.

A GO/NG meter check along with a programmable load on and load off voltage ensures this unit is suitable for a wide range of applications.

SELECTION TABLE

Part Number	Maximum Power	Maximum Voltage	Current Range	Dimensions [W × H × D]
ELP-3356F	600W	60VDC	0 - 120A	19" × 4U × 445mm
ELP-3350F	1200W	60VDC	0 - 120A	19" × 4U × 445mm
ELP-3351F	1800W	60VDC	0 - 120A	19" × 4U × 445mm
ELP-3352F	1200W	60VDC	0 - 240A	19" × 4U × 445mm
ELP-3353F	1800W	60VDC	0 - 240A	19" × 4U × 445mm
ELP-3354F	1800W	60VDC	0 - 360A	19" × 4U × 445mm

OPTIONS

CODE	DESCRIPTION
/0001	1m IEEE488.2 cable
/0002	2m IEEE488.2 cable
/0003	2m RS-232 cable
/9931	Remote controller
/DSK	Disable short test function
/LT	Unit fitted with IEEE488.2 (GPIB) interface card
/RS232	Unit fitted with RS-232 interface card
/LT+RS232	Unit fitted with IEEE488.2 and RS-232 combination interface card
/USB	Unit fitted with USB interface card
/LAN	Unit fitted with Ethernet interface card

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.



TECHNICAL DATA

	ELP-3356F	ELP-3350F	ELP-3351F	ELP-3352F	ELP-3353F	ELP-3354F
OP, OC, OV Protection	105%					
Over Temp. Protection	≈ 85°C					
Short Circuit Test	120A			240A		360A
Load ON/OFF Voltage	ON: 0.1 - 25.0V, 1% of setting + 0.25V, OFF: 0 - 25V, 0.025% + 0.025% F.S.					
Min. Operating Voltage	0.6V for I _{MAX}		0.4V for I _{MAX}	0.7V for I _{MAX}		
Power Consumption [Max]	80W					
Weight	15.2kg	19.4kg	23.6kg	19.4kg	23.6kg	23.6kg
Operating Temperature	0 - 40°C (all specifications apply at 25°C ± 5°C)					
Temperature Coefficient	100ppm/°C (typical)					

CC MODE

Range 1* [Resolution]	0 - 12A [0.2mA]		0 - 24A [0.4mA]		0 - 36A [0.6mA]
Range 2* [Resolution]	12 - 120A [2mA]		24 - 240A [4mA]		36 - 360A [6mA]
Accuracy	± 0.1% + 0.1% F.S.				

* Automatic range in CC Mode

CR MODE

Range 1	0.0083Ω - 0.5Ω		0.0041Ω - 0.25Ω		0.0027Ω - 0.167Ω
Range 2	0.5 - 30KΩ		0.25 - 15KΩ		0.167 - 10KΩ
Resolution [R1 / R2]	0.0083mΩ / 0.033mS		0.0041mΩ / 0.066mS		0.0027mΩ / 0.1mS
Accuracy	± 0.2% of [setting + range]				

CV MODE

Range 1 [Resolution]	0 - 6V [0.1mV]				
Range 2 [Resolution]	6 - 60V [1mV]				
Accuracy	± 0.05% + 0.05% F.S.				

CP MODE

Range 1	0 - 60W	0 - 120W	0 - 180W	0 - 120W	0 - 180W	0 - 180W
Range 1 Resolution	1mW	2mW	3mW	2mW	3mW	3mW
Range 2	60 - 600W	120 - 1200W	180 - 1800W	120 - 1200W	180 - 1800W	180 - 1800W
Range 2 Resolution	10mW	2mW	30mW	20mW	30mW	30mW
Accuracy	± 0.5% + 0.5% F.S.					

5-DIGIT VOLTAGE

Range [R1 / R2]	0 - 6V / 6 - 60V				
Resolution [R1 / R2]	0.1mV / 1mV				
Accuracy	± 0.025% + 0.025% F.S.				

5-DIGIT AMMETER

Range 1 [Resolution]	0 - 12A [0.2mA]		0 - 24A [0.4mA]		0 - 36A [0.6mA]
Range 2 [Resolution]	12 - 120A [2mA]		24 - 240A [4mA]		36 - 360A [6mA]
Accuracy	± 0.1% + 0.1% F.S.				

5-DIGIT POWERMETER

Range	0 - 600W	0 - 1200W	0 - 1800W	0 - 1200W	0 - 1800W	0 - 1800W
Resolution	0.0001W					
Accuracy	± 0.125% + 0.125% F.S.					

DYNAMIC

Thigh & Tlow	50μs - 9.999 / 99.99 / 999.9 / 9999mS					
Accuracy	1μS / 10μS / 100μS / 1mS + 50ppm					
Resolution	0.001 / 0.01 / 0.1 / 1mS					
Slew Rate 1	8mA - 0.5A / μs			16mA - 1A / μs		24mA - 1.5A / μs
Slew Rate 2	80mA - 5A / μs			160mA - 10A / μs		240mA - 15A / μs
Resolution	8 bits					
Accuracy	[5% of setting] ± 10μS					
Minimum Rise Time	24μS (typical)					



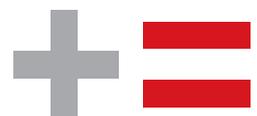
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ETPS engineer electronic power supply and testing systems. Our problem solving skills provide the spark of innovation to some of the world's leading technology brands.



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