RENTAL
ELP-3370

ETPS
ELECTRONIC TEST & POWER SYSTEMS

19" RACKMOUNT HIGH CURRENT LOAD

POSITIVE PROBLEM SOLVING + =

This DC load provides a high current sink capability of 1000A from 0.7V. The unit has two load ranges one at 0-100A and the other at 100-1000A with auto crossover in CC mode.

The DC load can operate in CC, CV, CR, CP, Dynamic and Short Modes. The current Slew Rate is adjustable for both ranges and to aid production testing to a pre-set value the unit is equipped with a GO/NG indicator. The unit has 150 memory locations with auto sequence capability to speed up changes of test parameters. The LCD display simultaneously shows voltage, current and power.

+ **CC, CR, CV, CP, Dynamic & Short modes**
+ **Single Key OCP & OPP Test Function**
+ **AC Input 115/230Vac Selectable**
+ **Protection for OV, OC, OP & OT**
+ **Simultaneous V, I & W Display**
+ **High Current Sink at 1000A**
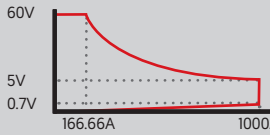
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RENTAL MODELS

SELECTION TABLE

Part Number	Range 1 Power	Range 1 Voltage	Range 1 Current	Range 2 Power	Range 2 Voltage	Range 2 Current
ELP-3370-r	5kW	0 - 60VDC	0 - 100A	5kW	0 - 60VDC	0 - 1000A

GENERAL SPECIFICATIONS

TECHNICAL DATA

	RANGE 1	RANGE 2
Maximum Power*	5kW	
Current Range	0 - 100A	0 - 1000A
Voltage Range	0 - 60VDC	
Min Operating Voltage	0.7V @ 1000A	
Power Curve	At 5kW:	
Short Circuit (Current)	1000A	
Power Consumption (Max)	600W	
Operating Temperature**	0 - 40°C	
Temperature Coefficient	100ppm/°C (typical)	
Dimensions and Weight	622mm x 177mm x 483mm (W x H x D), 45kg	

*Maximum power specification at 30°C de-rate at -1.5%/°C to 40°C   ** Operating Temperature is 0 - 40°C. All measurements taken at 25°C ±5°C, except where noted

CP MODE

TECHNICAL DATA

	RANGE 1	RANGE 2
Power Sink Value	0 - 500W	0 - 5kW
Resolution	8.334mW	83.34mW
Accuracy	±0.5% + 0.5 F.S.	±0.5% + 0.5 F.S.

CC MODE

TECHNICAL DATA

	RANGE 1	RANGE 2
Current Sink Value	0 - 100A	0 - 1000A
Resolution	1.667mA	16.67mA
Accuracy	±0.1% + 0.2% F.S.	±0.1% + 0.2% F.S.

CR MODE

	RANGE 1	RANGE 2
Resistance Sink Value	0.001 - 0.06Ω	0.06 - 3600Ω
Resolution	16 bit	16 bit
Accuracy	±0.2% + 0.2% F.S.	±0.2% + 0.2% F.S.

CV MODE

TECHNICAL DATA

	RANGE 1	RANGE 2
Voltage Sink Value	0 - 6V	0 - 60V
Resolution	1mV	1mV
Accuracy	±0.05% + 0.05% F.S.	±0.05% + 0.05% F.S.

DYNAMIC OPERATION

TECHNICAL DATA

	RANGE 1	RANGE 2
Thigh & Tlow	0.05 - 9.999 / 99.99 / 999.9 /9999ms	0.05 - 9.999 / 99.99 / 999.9 /9999ms
Resolution	0.001 / 0.01 / 0.1 / 1ms	0.001 / 0.01 / 0.1 / 1ms
Accuracy	1μs / 10μs / 100μs / 1ms + 50ppm	1μs / 10μs / 100μs / 1ms + 50ppm
Slew Rate Range	66.4mA - 4.15A/μs	664mA - 41.5A/μs
Slew Rate Resolution	16.6mA/μs	166mA/μs
Minimum Rise Time	typically 24μs	typically 24μs
Current Range	0 - 100A	100 - 1000A
Current Resolution	1.667mA	16.67mA
Accuracy	±0.1% + 0.1% F.S.	±0.1% + 0.1% F.S.

5 DIGIT DISPLAY

TECHNICAL DATA

	RANGE 1	RANGE 2
Powermeter Range	0 - 500W	0 - 5kW
Powermeter Resolution	0.01W	0.1W
Powermeter Accuracy	±0.125% + 0.125% F.S.	±0.125% + 0.125% F.S.
Voltmeter Range	0 - 6V	6 - 60V
Voltmeter Resolution	16 bit	16 bit
Voltmeter Accuracy	±0.025% + 0.025% F.S.	±0.025% + 0.025% F.S.
Ammeter Range	0 - 100A	100 - 1000A
Ammeter Resolution	16 bits	16 bits
Ammeter Accuracy	±0.1% + 0.1% F.S.	±0.1% + 0.1% F.S.

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.

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POSITIVE **PROBLEM SOLVING**