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# ELP-3360

# High Voltage DC Load

## Description

This series of 500Vdc electronic Loads provides a wide range of current and power ranges. The high voltage makes these Electronic Loads ideal for Power Factor Correction testing along with a host of other production and laboratory applications. RS232 & GPIB interfaces are provided for computer control. The front panel has an isolated BNC output so that the load current can be monitored on an external scope. The high accuracy 4½ digit displays feature 16 bit resolution. Dual setting ranges provide excellent resolution at low current. For production testing GO/NG limits can be set. When used in constant current or constant power mode the load can be set to operate dynamically. This enables the load current to be switched between two levels and the current rise and fall times adjusted. The time that the load is at the higher sink level and the time it is at the lower setting can also be adjusted. A short test function is provided as standard. The short voltage and current can be read via the front panel or interface. If this feature is not desired then your chosen unit can be built without the short test function. The load can be set to automatically turn on or off when a preset voltage is present at the load's terminals.



- CC, CR, CV, CP, dynamic & short mode
- 150 sets store/recall memory
- IEEE488.2/RS232 interfaces
- LabVIEW drivers

## Selection Table

Part Number	Maximum Power	Maximum Voltage	Maximum Current	Dimensions (Width x Height x Depth)
ELP-3360	600W	500VDC	0 - 20A	19" x 4U x 445mm
ELP-3361	1200W	500VDC	0 - 40A	19" x 4U x 445mm
ELP-3362	1800W	500VDC	0 - 60A	19" x 4U x 445mm
ELP-3367	1800W	500VDC	0 - 12A	19" x 4U x 445mm
ELP-33611	2400W	500VDC	0 - 80A	19" x 8U x 445mm
ELP-33621	3600W	500VDC	0 - 120A	19" x 8U x 445mm
ELP-33671	3600W	500VDC	0 - 24A	19" x 8U x 445mm
ELP-3365	5400W	500VDC	0 - 120A	19" x 12U x 445mm
ELP-33622	5400W	500VDC	0 - 180A	19" x 12U x 445mm
ELP-33672	5400W	500VDC	0 - 36A	19" x 12U x 445mm

## Options Table

Code	Description
/0001.....	1m IEEE488.2 cable
/0002.....	2m IEEE488.2 cable
/0003.....	2m RS232 cable
/9931.....	Remote controller
/DSK.....	Disable short test function



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## Technical Data

	ELP-3360	ELP-3361	ELP-3362	ELP-3363	ELP-3364	ELP-3365
Over Power Protection	≈ 630W	≈ 1260W	≈ 1890W	≈ 2520W	≈ 3780W	≈ 5670W
Over Current Protection	≈ 21A	≈ 42A	≈ 63A	≈ 84A	≈ 126A	≈ 126A
Over Voltage Protection	≈ 525.5V	≈ 525.5V	≈ 525.5V	≈ 525.5V	≈ 525.5V	≈ 525.5V
Over Temp. Protection	≈ 85 °C	≈ 85 °C	≈ 85 °C	≈ 85 °C	≈ 85 °C	≈ 85 °C
<b>CC Mode</b>						
Range 1	0 - 2A	0 - 4A	0 - 6A	0 - 8A	0 - 12A	0 - 12A
Range 1 Resolution	0.534mA	1.068mA	1.6mA	2.133mA	3.2mA	3.2mA
Range 2	20A	40A	60A	80A	120A	120A
Range 2 Resolution	5.334mA	10.67mA	16mA	21.33mA	32mA	32mA
Accuracy	± 0.5% of (setting + range)					
<b>CR Mode</b>						
Range 1	1.334 - 25Ω	0.667 - 12.5Ω	0.444 - 8.333Ω	0.333 - 6.25Ω	0.222 - 4.166Ω	0.222 - 4.166Ω
Range 1 Resolution	6.667mΩ	3.334mΩ	2.222mΩ	1.667mΩ	1.111mΩ	1.111mΩ
Range 2	25 - 18.75KΩ	12.5 - 18.75KΩ	8.333 - 18.75KΩ	6.25 - 18.75KΩ	4.166 - 15.625KΩ	4.166 - 15.625KΩ
Range 2 Resolution	0.0106mS	0.0213mS	0.032mS	0.0426mS	0.064mS	0.064mS
Accuracy	± 0.5% of (setting + range)					
<b>CV Mode</b>						
Range	0 - 500V					
Resolution	0.1333 V					
Accuracy	± 0.25% of (setting + range)					
<b>CP Mode</b>						
Range 1	0 - 600W	0 - 1200W	0 - 1800W	0 - 2400W	0 - 3600W	0 - 5400W
Range 1 Resolution	0.16W	0.32W	0.48W	0.64W	0.96W	1.44W
Accuracy	± 0.5% of (setting + range)					
<b>4½ DVM</b>						
Range	0 - 60.00V					
Resolution	0.01V					
Range	600.0V					
Resolution	0.1V					
Accuracy	± 0.05% of (reading + range)					
<b>4½ DAM</b>						
Range 1	0 - 2.000A	0 - 4.000A	0 - 6.000A	0 - 8.000A	0 - 12.000A	0 - 12.000A
Range 1 Resolution	0.0001A	0.001A	0.001A	0.001A	0.001A	0.001A
Range 2	20.00A	40.00A	60.00A	80.00A	120.00A	120.00A
Range 2 Resolution	0.001A	0.01A	0.01A	0.01A	0.01A	0.01A
Accuracy	± 0.2% of (reading + range)					
<b>Dynamic</b>						
Slew Rate 1	1.6mA - 0.1A/μS	3.2mA - 0.2A/μS	4.8mA - 0.3A/μS	6.4mA - 0.4A/μS	9.6mA - 0.6A/μS	9.6mA - 0.6A/μS
Slew Rate 2	16mA - 1A/μS	32mA - 2A/μS	48mA - 3A/μS	64mA - 4A/μS	96mA - 6A/μS	96mA - 6A/μS
Thigh & Tlow	50μS - 9.999Sec					
Accuracy	± 10% ± 10μS					
Load ON voltage	0.4 - 100V, 1% of (setting + range)					
Load OFF voltage	0 - 100V, 0.05% of (setting + range)					
Max. Short Resistance	0.25Ω	0.125Ω	0.0833Ω	0.0625Ω	0.0416Ω	0.0625Ω
Weight	15.2kgs	14.4kgs	23.6kgs	38.8kgs	47.2kgs	70.8kgs

Every effort is made to ensure that the information provided within this technical summary is accurate. However, ET 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. Please note that your actual unit may differ from that shown.