



Unit 14, The Bridge, Beresford Way  
 Chesterfield, Derbyshire, S41 9FG, UK  
 T e l : + 44 (0) 1246 452909  
 F a x : + 44 (0) 1246 452942  
 W e b : w w w . e t p s . c o . u k  
 E m a i l : s a l e s @ e t p s . c o . u k  
 S a l e s : 0800 612 95 75

# ELP-SLM Rackmounting DC Loads

## Description

The ELP-SLM Electronic Load is based on an extremely flexible modular design offering a wide variety of inputs at different power levels. The units are built into 19" racks. Constant current and constant resistance modes are provided as standard. For extra safety and comfort the current and resistance values can be preset via the 10 turn potentiometers while in stand by mode before applying to UUT. The preset values can be read from the separate 3½ digit displays for voltage and current. Extensive safety features include over power, over current, over voltage, over temperature and reverse polarity. All control and measurement functions are possible through the optional analogue and computer interfaces. For completely automated test systems the units can be built without front panel control or displays.



- Optional Analogue & Computer Interfaces
- CV and CP Modes with Dynamic Option
- Constant Current & Resistance Modes
- Wide Varsity of Current Limits Available
- Voltage Range up to 400Vdc

## Technical Data

Input voltage.....	115/230VAC ± 15%
Input frequency.....	47-63Hz
Isolation I/P to O/P.....	3000 VAC
Isolation class.....	1
Safety.....	EN 60950
Emission.....	EN 61000-6-3
Immunity.....	EN 61000-6-1
Current rise.....	>0.5A/µs
Regulation voltage mode.....	<0.4%
Regulation current mode.....	<0.4%
Regulation power mode.....	<2%
Regulation resistive mode.....	<2%
Response time.....	typ. <100µs
Voltage monitor.....	<0.4%
Current monitor.....	<0.4%
Display.....	3.5 digits for V and I
Protection.....	OC / OV / OT / OP
Analogue interface.....	0-5V (10V)
Analogue isolated interface.....	0-5V (10V)
Interface RS232/RS485/USB.....	12 Bit
Interface IEEE488.2/CAN.....	12 Bit
Operating temperature.....	0-50 °C
Operating humidity.....	0-90% (non condensing)
Power derating 50-70 °C.....	-2%/°C
Cooling.....	internal forced air front to back
Storage temperature.....	-45 to + 85 °C
Storage humidity.....	0-95% (non condensing)
Vibration.....	10-55Hz / 1min/2G XYZ
Shock.....	Less than 20 G

## Selection and Options Table Overleaf

Different output ranges and application/user specific options are possible. Please contact ET to discuss your requirements.



sales@etps.co.uk  
0800 612 95 75

## Selection Table

Part Number	Power	Voltage	Current Limit Chart							
			(Replace Cxx in the part number with your chosen current limit)							
			C5	C10	C15	C25	C50	C75	C100	C150
ELP-SLM 10-60-Cxx	1000W	1-60Vdc				■	■	■	■	
ELP-SLM 10-100-Cxx	1000W	1-100Vdc				■	■	■		
ELP-SLM 10-200-Cxx	1000W	1-200Vdc		■	■	■	■			
ELP-SLM 10-400-Cxx	1000W	1-400Vdc	■	■	■					
ELP-SLM 15-60-Cxx	1500W	1-60Vdc				■	■	■	■	
ELP-SLM 15-100-Cxx	1500W	1-100Vdc				■	■	■		
ELP-SLM 15-200-Cxx	1500W	1-200Vdc		■	■	■	■			
ELP-SLM 15-400-Cxx	1500W	1-400Vdc	■	■	■					
ELP-SLM 20-60-Cxx	2000W	1-60Vdc					■	■	■	■
ELP-SLM 20-100-Cxx	2000W	1-100Vdc					■	■	■	
ELP-SLM 20-200-Cxx	2000W	1-200Vdc				■	■	■		
ELP-SLM 20-400-Cxx	2000W	1-400Vdc		■	■	■	■			
ELP-SLM 30-100-Cxx	3000W	1-100Vdc					■	■	■	
ELP-SLM 30-200-Cxx	3000W	1-200Vdc				■	■	■		
ELP-SLM 30-400-Cxx	3000W	1-400Vdc		■	■	■	■			
ELP-SLM 40-100-Cxx	4000W	1-100Vdc					■	■	■	
ELP-SLM 40-200-Cxx	4000W	1-200Vdc			■	■	■	■		
ELP-SLM 40-400-Cxx	4000W	1-400Vdc		■	■	■	■			
ELP-SLM 50-100-Cxx	5000W	1-100Vdc					■	■	■	
ELP-SLM 50-200-Cxx	5000W	1-200Vdc				■	■	■		
ELP-SLM 50-400-Cxx	5000W	1-400Vdc			■	■	■			
ELP-SLM 65-100-Cxx	6500W	1-100Vdc					■	■	■	
ELP-SLM 65-200-Cxx	6500W	1-200Vdc					■	■		
ELP-SLM 65-400-Cxx	6500W	1-400Vdc			■	■				
ELP-SLM 80-100-Cxx	8000W	1-100Vdc						■	■	
ELP-SLM 80-200-Cxx	8000W	1-200Vdc					■	■		

Non-standard units on request

## Options Table

Code	Description
/ATE.....	No front panel control or display. Analogue Interface provided as standard
/AI-5.....	0-5V Analogue Interface for all control and measurement functions
/AI-10.....	0-10V Analogue Interface for all control and measurement functions
/ATI-5.....	Isolated 0-5V Analogue Interface for all control and measurement functions
/ATI-10.....	Isolated 0-10V Analogue Interface for all control and measurement functions
/LT.....	IEEE 488.2 Interface with listener and talker functions
/LTRS232.....	RS232 Interface with listener and talker functions
/LTRS485.....	RS485 Interface with listener and talker functions
/LT+LTRS232.....	IEEE 488.2 and RS232 Interfaces with listener and talker functionality
/LT+LTRS485.....	IEEE 488.2 and RS485 Interfaces with listener and talker functionality
/CAN.....	CAN Interface with listener and talker functions
/USB.....	USB Interface with listener and talker functions
/ETH.....	Ethernet interface with listener and talker functions over a LAN
/CV.....	Constant voltage operation in addition to CC & CR modes
/CP.....	Constant power operation in addition to CC & CR modes
/Dyn-L.....	Dynamic functions operable via the front panel with /CV & /CP operation
/Dyn-B.....	Dynamic function operable via the optional computer interface(s) with /CV & /CP operation
/Dyn-LB.....	Dynamic functions operable via both front panel and BUS with /CV & /CP operation
/OV.....	Built in power supply to run full load from zero volts
/OR.....	Built in power relay for true short circuit