

# Electronic Zero Volt Load

Series EL500-0V, EL10000-0V

Cooled by int. fans

Power 500 W and 10000 W



Application in fuel cells,  
solar modules and sources with  
small output voltage

Options:

Installed IEEE488.2 (GPIB) / RS232\* / USB\*  
interface with Lab-View Driver (Series INT2E)

Installed USB Interface with driver software

External CAN Open Interface (on request)

\*selectable RS232 or USB



Use for testing fuel cells, solar modules and sources with low output voltages or otherwise as constant current sources in I mode.

The limitations arising from semiconductor technology are compensated for in the zero voltage versions of the EL series by an adequately-sized ancillary power supply - the full load current can flow even with a load voltage of 0 V.

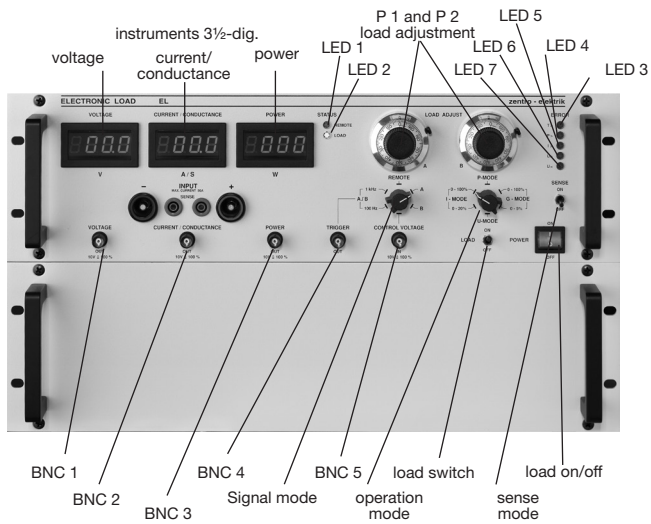
The 0 V loads further demonstrate the renowned performance characteristics of the standard EL series: Four to five different types of mode, very great dynamism, great stability and safety thanks to various protective and monitoring mechanisms and Sense mode.

Because of the built-in ancillary power supply, the usable power is lower than the nominal power. Otherwise the technical data match those of the standard devices of the EL series.

Power (W)	Load Voltage (V)	Load Current (A)	Useable Power (W)*	Model Number
200	20	10	170	EL 200/20/10-0V
500	20	40	380	EL 500/20/40-0V
500	60	50	350	EL 500/60/50-0V
500	60	100	200	EL 500/60/100-0V
1000	20	100	700	EL 1000/20/100-0V
1000	20	150	550	EL 1000/20/150-0V
1000	20	200	400	EL 1000/20/200-0V
1000	60	200	400	EL 1000/60/200-0V
3000	60	125	2375	EL 3000/60/125-0V
6000	60	600	4200	EL 6000/60/600-0V
6000	60	1000	3000	EL 6000/60/1000-0V
10000	20	1000	7000	EL 10000/20/1000-0V

\*ref. a 3V supporting power supply

Devices with 110V AC supply voltage and other versions on request

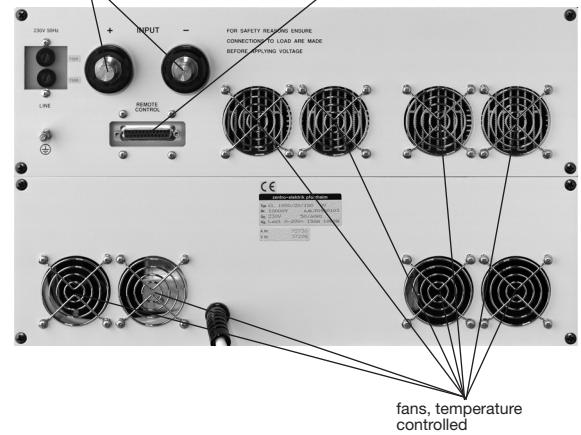


signals:  
 BNC 1: output load voltage  
 BNC 2: output load current conductance  
 BNC 3: output load power  
 BNC 4: output trigger signal  
 BNC 5: input control voltage

indication:  
 LED 1: remote on/off  
 LED 2: load on  
 LED 3: temperature limit  
 LED 4: max. power

load connectors  
 plug type DIX, SE 50  
 female plug type DIX, BK 50

ext. programming  
 0 ÷ 10 V DC  
 25-pol. Sub D female plug



LED 5: max load current  
 LED 6: max load voltage  
 LED 7: min. load voltage