

Built-in power supply list**Built-in linear power supply unit**

	Power / W	Power linear / W	Voltage / V	Current / A	Version	Case
ELNG 72W 60V 1,2A	72	72	60	1,2		Plug-in cassette for 19" rack, 3HE, 28TE, plug-in depth: 228mm
ELNG 180W 60V 3A	180	180	60	3	Boost	Plug-in cassette for 19" rack, 3HE, 28TE, plug-in depth: 228mm
ELNG 360W 60V 6A	360	170	60	6	Buck Boost	Plug-in cassette for 19" rack, 3HE, 28TE, plug-in depth: 228mm
ELNG 400W 60V 20A	400	170	60	20	Buck Boost	Plug-in cassette for 19" rack, 3HE, 28TE, plug-in depth: 228mm

Standard featurest:

- dynamic voltage regulation (U)
- clamp voltage control output terminals (Um)
- dynamic current control (Id)
- static current control (Is)
- power control (P) (digital)
- read back voltage (sense channel)
- Read back current (measured at shunt)
- Read back power (digital)
- set setpoints and read back actual values via 16bit converter
- Linear output stage voltage setting (only ELNG 360W und ELNG 400W)
- non-volatile curve memory, sine function, PWM function, trigger function
- Sense mode switchable
- adjustable sense terminal voltage (8V (4V per conductor))
- base load adjustable current (dynamic / static) (only ELNG 360W und ELNG 400W)
- output capacitor switchable (not with ELNG 72W and ELNG 180W)
- output choke switchable (not with ELNG 72W and ELNG 180W)
- Shutdown (software)
- RS232 interface (galvanically isolated) (9600 to 921600 baud)

Note: The backplane is no longer included in the delivery. This must be ordered separately if required.

If the devices are installed in a rack from us, no backplane needs to be ordered. This is part of the respective rack.

Version:

Type	
C	1 curve memory
D	1 curve memory; trigger (2xinput, 2xoutput)
E	1 curve memory; 3 output capacitor switchable; trigger (2xinput, 2xoutput); switchable feedback, not for ELNG 72W and ELNG 180W
F	1 curve memory; 3 output capacitor switchable; trigger (2xinput, 2xoutput); switchable feedback; 2nd processor 50µs; 18bit converter actual values; Measuring channel with measuring memory and read back voltage terminal clamps; only with ELNG 360W

Options:

USB interface (isolated)	Measuring channel with measuring memory and read back voltage terminal clamps (not with ELNG 72W) (included in Typ F)	18bit converter actual values; digital readjustment of setpoints (not with ELNG 72W) (included in Typ F)	Front connection
U	M	H	V

Connection:

Front connection
V

Order example:

ELNG 360W 60V 6A; type F; USB interface; measuring channel; front connection

ELNG 360W 60V 6A F U M rx Connection V

ELNG 400W 60V 20A; type C; USB interface

ELNG 400W 60V 20A U rx

(r: Revision x: Revision number)

Accessories:

ELNG v2	Backplane for ELNG devices
Rack 1	19" system housing 3HE (full rack/table unit) with operating unit BE MRACK for 2 ELNG devices; RS232 connection; USB connection; Rack 2 connection; external device connection
Rack 2	system housing 3U (full rack/desk unit) for 3 ELNG devices; can only be used in combination with Rack 1
BE MRack	control unit for rack 1; slide-in cassette for 19" subrack, 3U, 28HP, slide-in depth: 228mm

Rack structure:

Rack 1 consists of 3 slide-in slots. The first slot is for the operating unit BE MRACK. The other two are for the ELNG devices listed above. Furthermore, an appropriate external device can be connected to the rack. This is shown as module 6 in the display and can be controlled there in a limited way. The control unit is responsible for the communication to the individual devices or to the PC. The ELNG devices that are to be installed in a rack do not require their own USB interface. (only if the USB interface is needed outside of the rack, it must be ordered as well).

Rack 2 consists of 3 slots for 3 ELNG devices listed above. The communication and control is done via rack 1. Not usable without rack 1. Both racks have an inrush current limiter. Supply via 3X1,5mm² 250V/16A with certification (6051.5001 SCHURTER) Euro plug / C21 socket.

Packaging for ELNG and rack housing

ELNG VA	for one ELNG unit
ELNG VB	for two ELNG units
ELNG VC	for three/four ELNG units
package 3 HE	for rack 1 / rack 2 empty or including the units

Built-in power supplies with linear endstage

	Power / W	Voltage / V	Current / A	Current short / A	Case
ESNG 600W 40V 25-100A L	600	40	25	100	Plug-in cassette for 19" rack, 3HE, 42TE, plug-in depth: 288mm

Standard features:

- dynamic voltage regulation (U)
- clamp voltage control output terminals (Um) not available with command set compatible
- dynamic current control (Id)
- static current control (Is)
- power control (P) (digital) not available with command set compatible
- read back voltage (sense channel)
- Read back current (measured at shunt)
- Read back power (digital) not available with command set compatible
- set setpoints and read back actual values via 16bit converter
- non-volatile curve memory, sine function, PWM function, trigger function sine function, PWM function, trigger function not available with command set compatible
- Sense mode switchable not available with command set compatible
- adjustable sense terminal voltage (8V (4V per conductor)) not available with command set compatible
- Shutdown (software) not available with command set compatible
- RS232 interface (galvanically isolated) (9600 to 921600 baud) only 9600 baud with command set compatible
- Switch over command set (compatible command)
- Backplane

Version:

Type	
C	1 curve memory
D	1 curve memory; trigger (2xinput, 2xoutput)

Options:

USB interface (isolated)
not available with command set compatible
U

Order example:

ESNG 600W 40V 25-100A; Typ C

ESNG 600W 40V 25-100A L C rx

(r: Revision x: Revision number)

Accessories:

ESNG A	Backplane for ESNG devices connector: RS232
ESNG B	Backplane for ESNG devices, connector: RS232, USB, Trigger

Packaging

ESNG VA	for one ELNG unit
ESNG VB	for two ELNG units
ESNG VC	for three/four ELNG units