

Laboratory power supplies**Power supplies with linear endstage**

	Power / W	Power short / W	Voltage / V	Voltage clamp / V	Current / A	Current short / A	Linear endstage / W	Base load	
								Current / short / A	Power/ W
SNG 1000W 40V 40-100A L	1000	4000	40	45	40	100	150	5 / 20	50
SNG 1000W 60V 30-80A L	1000	4800	60	63	30	80	150	5 / 20	50
SNG 1200W 40V 60-120A L	1200	4800	40	45	60	120	250	10 / 40	100
SNG 1200W 60V 40-100A L	1200	6000	60	63	40	100	250	10 / 40	100
SNG 1800W 32V 100-200A L	1800	6400	32	37	100	200	250	10 / 40	100
SNG 1800W 40V 80-160A L	1800	6400	40	45	80	160	250	10 / 40	100
SNG 1800W 60V 60-120A L	1800	7200	60	63	60	120	250	10 / 40	100
SNG 3600W 32V 200-400A L	3600	12800	32	37	200	400	500	20 / 80	150
SNG 3600W 40V 160-320A L	3600	12800	40	45	160	320	500	20 / 80	150
SNG 3600W 60V 120-240A L	3600	14400	60	63	120	240	500	20 / 80	150

	Line connection	Input fuse	Line cord	Normal Input Power	Inrush current
SNG 1000W 40V 40-100A L	AC 1-ph 230V ±10% 50/60Hz ca. 10A	T10A L 250V (slow; 0001.2514 SCHURTER)	3X1mm ² 250V Euro connector / C13 Plug	ca. 1,8 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 1000W 60V 30-80A L	AC 1-ph 230V ±10% 50/60Hz ca. 10A	T10A L 250V (slow; 0001.2514 SCHURTER)	3X1mm ² 250V Euro connector / C13 Plug	ca. 1,8 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 1200W 40V 60-120A L	AC 1-ph 230V ±10% 50/60Hz ca. 10A	T10A L 250V (slow; 0001.2514 SCHURTER)	3X1mm ² 250V Euro connector / C13 Plug	ca.2,3 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 1200W 60V 40-100A L	AC 1-ph 230V ±10% 50/60Hz ca. 10A	T10A L 250V (slow; 0001.2514 SCHURTER)	3X1mm ² 250V Euro connector / C13 Plug	ca.2,3 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 1800W 32V 100-200A L	AC 1-ph 230V ±10% 50/60Hz ca. 16A	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	3X1,5mm ² 250V (6051.5001 SCHURTER) Euro connector / C21 Plug	ca. 3,5 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C

SNG 1800W 40V 80-160A L	AC 1-ph 230V $\pm 10\%$ 50/60Hz ca. 16A	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	3X1,5mm ² 250V (6051.5001 SCHURTER) Euro connector / C21 Plug	ca. 3,5 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 1800W 60V 60-120A L	AC 1-ph 230V $\pm 10\%$ 50/60Hz ca. 16A	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	3X1,5mm ² 250V (6051.5001 SCHURTER) Euro connector / C21 Plug	ca. 3,5 KVA cos φ 0,65	max. 60A bei 230VAC, cold start bei 25°C
SNG 3600W 32V 200-400A L	AC 2-ph 400V $\pm 10\%$ 50/60Hz ca. 16A +N +PE	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	Connection box with 5X1,5mm ² 250V cable + CEE16 Plug	ca. 7 KVA cos φ 0,6	max. 60A bei 230VAC, cold start bei 25°C
SNG 3600W 40V 160-320A L	AC 2-ph 400V $\pm 10\%$ 50/60Hz ca. 16A +N +PE	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	Connection box with 5X1,5mm ² 250V cable + CEE16 Plug	ca. 7 KVA cos φ 0,6	max. 60A bei 230VAC, cold start bei 25°C
SNG 3600W 60V 120-240A L	AC 2-ph 400V $\pm 10\%$ 50/60Hz ca. 16A +N +PE	2 X T16A L 250V (slow; 0001.2516.PT SCHURTER) internal	Connection box with 5X1,5mm ² 250V cable + CEE16 Plug	ca. 7 KVA cos φ 0,6	max. 60A bei 230VAC, cold start bei 25°C

Standard equipment:

- 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 and terminal)
- 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
- 2x digital inputs, 2x digital outputs (opto-isolated)
- 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)
- Output capacitor switchable (only 1000W devices)
- Shutdown (1x external optoisolated, 1x software)
- RS232 interface (galvanically isolated) (9600 to 921600 baud)
- Interfaces can be isolated from case ground
- control unit
- full rack housing 19" 2U up to 1800W / 3U from 3600W; connectors front and rear

Version:

Type	
D	1 curve memory; trigger (2xinput, 2xoutput); 1 output capacitor switchable (only 1000W devices)
E	1 curve memory; trigger (2xinput, 2xoutput); 3 output capacitor switchable; switchable I and D components, switchable setpoint filters (except 3600W devices)
F	1 curve memory; trigger (2xinput, 2xoutput); 3 output capacitor switchable; switchable I and D components, switchable setpoint filters; 2nd processor 50µs; 18bit converter actual values; measuring channel with measuring memory (only 1000W devices)

Option:

USB Interface	Analog Interface (U, Id, Ui, Ii)	Measuring channel with measuring memory (included in type F)	18bit converter actual values; digital readjustment of setpoints (included in type F)
(galvanically isolated)	(galvanically isolated)		
U	A	M	H

Package for SNG

package 2 HE	package for 2 HE devices
package 3 HE	package for 3 HE devices

Ordering example:

SNG 1800W 40V 80-160A L; Type D; USB and analog interface

Type: SNG 1800W 40V 80-160A D UA rx

(r: revision; x: revision number)

Case:

Full slide-in case 19" 2U:

Installation depth 382mm

Dimensions (BXLXH): 484 (front panel) / 446 (housing) X 462 (front and rear handles) X 89

484 (front panel) / 446 (housing) X 462 (front and rear handles) X 106 with feet (optional)

Full slide-in case 19" 3HE:

Installation depth 382mm

Dimensions (BXLXH): 484 (front panel) / 446 (housing) X 462 (front and rear handles) X 132,5

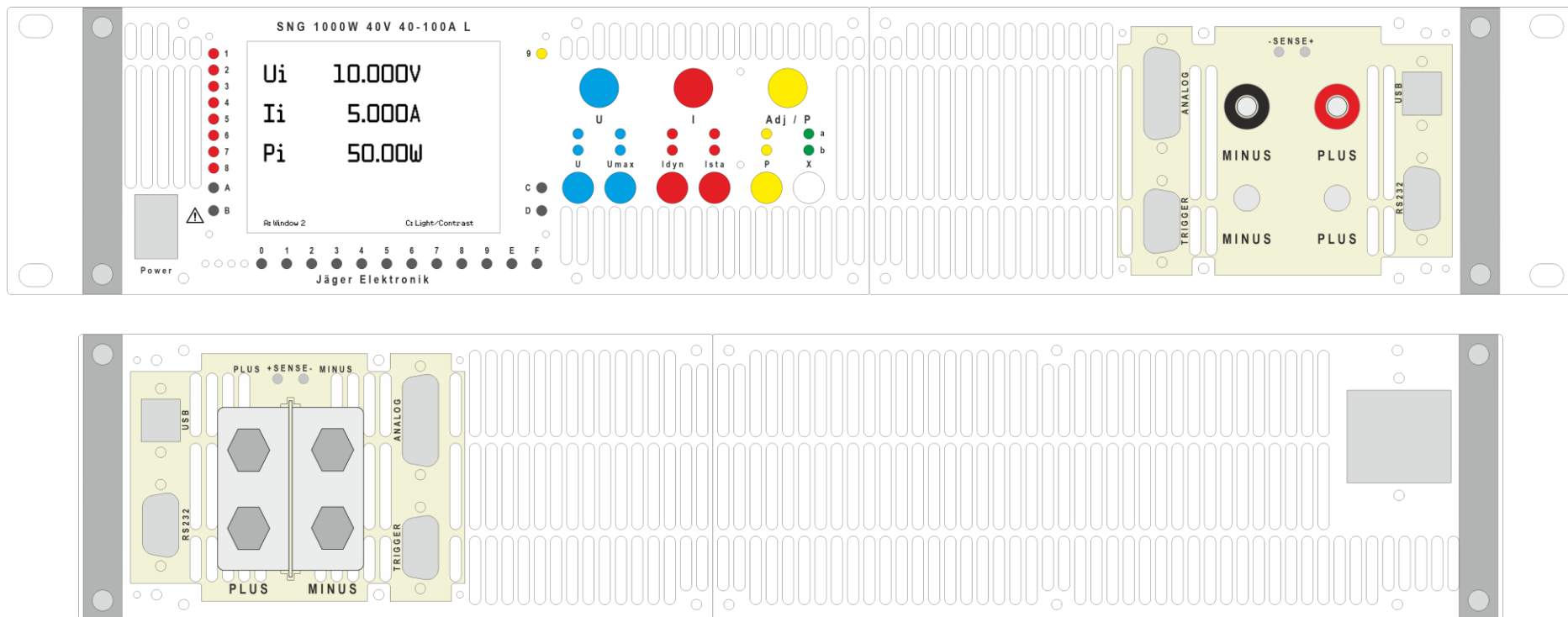
484 (front panel) / 446 (housing) X 462 (front and rear handles) X 149,5 with feet (optional)

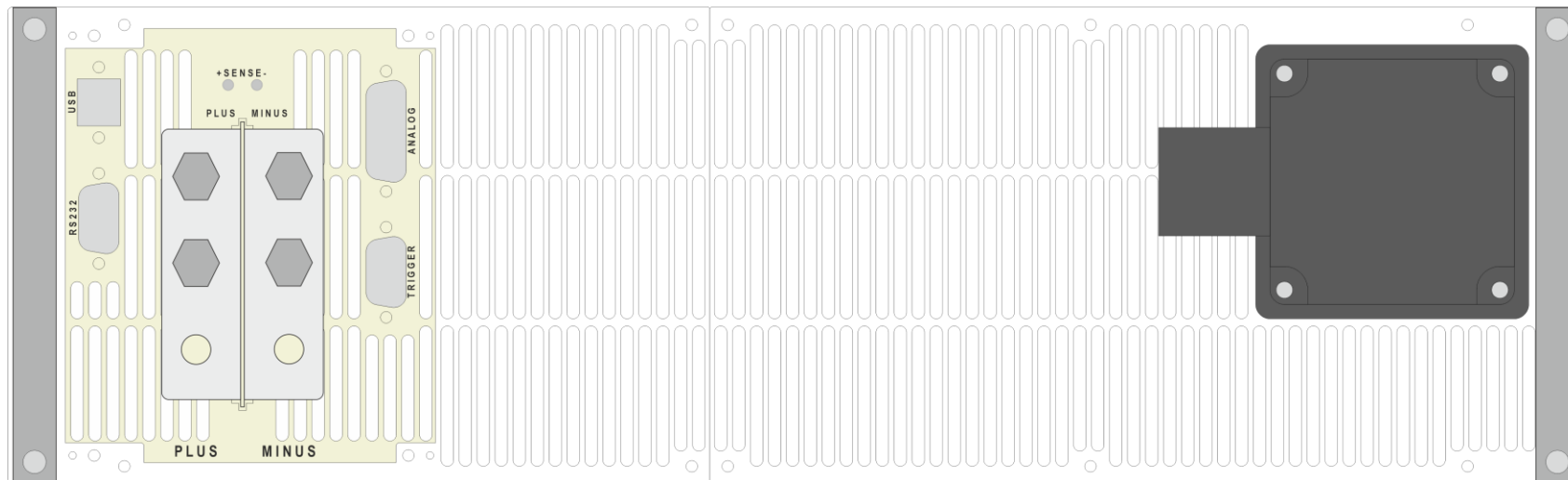
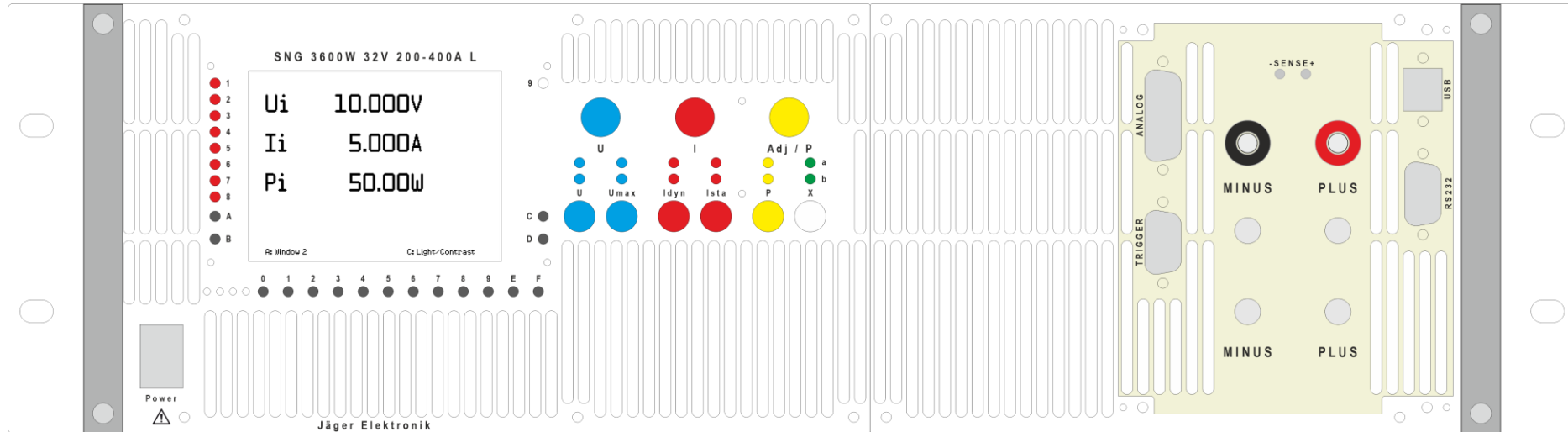
Output terminals:

front via covered ODU terminal with 6mm lamellar socket. (main current) and pole terminals PKI 10A Hirschmann (max. 32A).

rear via power rail with M8 screws and M8 threaded bar.

Example: 2HE





Further devices in preparation or on request.