DC Sources LAB SMP/E

750 – 2.400 W

Picture shows a 2,4 kW Version

19“ x 1 U x 440 mm

OVERVIEW

- Efficiency up to 94 %
- Compact design
- Active parallel connectable
- Easiest operation via front panel
- Constant current, voltage
- Digital interfaces IEEE 488, RS 485, USB and LAN (optional)
- Standard integrated ATI 5/10 galvanically isolated analogue interface: 0 – 5 V or 0 – 10 V (user selectable) and RS 232
- 7-segment display
- Special version on request
- Umax and Imax randomly selectable to limit maximum output voltage and current

PRODUCT EXAMPLES

Type	Power W	Voltage V	Current A	Dimensions
LAB/SMP/E 715	750	0 – 15	0 – 50	19“ x 1 U x 440 mm
LAB/SMP/E 735	750	0 – 35	0 – 22	19“ x 1 U x 440 mm
LAB/SMP/E 745	750	0 – 45	0 – 17	19“ x 1 U x 440 mm
LAB/SMP/E 770	750	0 – 70	0 – 11	19“ x 1 U x 440 mm
LAB/SMP/E 7150	750	0 – 150	0 – 5	19“ x 1 U x 440 mm
LAB/SMP/E 7300	750	0 – 300	0 – 2,5	19“ x 1 U x 440 mm
LAB/SMP/E 7600	750	0 – 600	0 – 1,2	19“ x 1 U x 440 mm
LAB/SMP/E 71200	750	0 - 1.200	0 – 0,6	19“ x 1 U x 440 mm
LAB/SMP/E 115	1.200	0 – 15	0 – 80	19“ x 1 U x 440 mm
LAB/SMP/E 135	1.200	0 – 35	0 – 35	19“ x 1 U x 440 mm
LAB/SMP/E 145	1.200	0 – 45	0 – 30	19“ x 1 U x 440 mm
LAB/SMP/E 170	1.200	0 – 70	0 – 20	19“ x 1 U x 440 mm
LAB/SMP/E 1150	1.200	0 – 150	0 – 8	19“ x 1 U x 440 mm
LAB/SMP/E 1300	1.200	0 – 300	0 – 4	19“ x 1 U x 440 mm
LAB/SMP/E 1600	1.200	0 – 600	0 – 2	19“ x 1 U x 440 mm
LAB/SMP/E 11200	1.200	0 – 1.200	0 – 1	19“ x 1 U x 440 mm

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PRODUCT EXAMPLES

Type	Power W	Voltage V	Current A	Dimensions
LAB/SMP/E 215	2.400	0 – 15	0 – 160	19“ x 2 U x 440 mm
LAB/SMP/E 235	2.400	0 – 35	0 – 68	19“ x 1 U x 440 mm
LAB/SMP/E 245	2.400	0 – 45	0 – 53	19“ x 1 U x 440 mm
LAB/SMP/E 270	2.400	0 – 70	0 – 34	19“ x 1 U x 440 mm
LAB/SMP/E 2150	2.400	0 – 150	0 – 16	19“ x 1 U x 440 mm
LAB/SMP/E 2300	2.400	0 – 300	0 – 8	19“ x 1 U x 440 mm
LAB/SMP/E 2600	2.400	0 – 600	0 – 4	19“ x 1 U x 440 mm
LAB/SMP/E 21200	2.400	0 – 1.200	0 – 2	19“ x 2 U x 440 mm

MODEL NUMBER DESCRIPTION

LAB /	**SMP/E**	**1150 /**	**230 /**	**LAN /**	**Mod**
DC-Source	Series	Output power / output voltage	Input voltage	Interface option	Modification

OPTIONS

Appendix	Description
../230	230 / 207 – 253 VAC Input
../3P208	3 x 208 / 187 – 229 VAC Input
../3P400	3 x 400 / 360 – 440 VAC Input
../3P440	3 x 440 / 396 – 484 VAC Input
../3P480	3 x 480 / 432 – 528 VAC Input
../400Hz	400 Hz Input
../DC	250...750 VDC Input
../ATE	Without Manual Operation
../LT IEEE	IEEE488 Interface
../LTRS485	RS 485 Interface
../LTRS232	RS 232 Interface
../LAN	LAN Interface
../USB	USB Interface

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TECHNICAL DATAS

Input Voltage Specification

Input voltage range	1,2 kW 90 – 264 VAC / PFC l 2,4 kW 230 VAC +/-10 % / PFC
Input frequency	47 – 63 Hz

EMC ans Safety Standards

Safety standard	EN 60950
Emission	EN 61000-6-4:2007
Immunity	EN 61000-6-2:2005
Measurement, control- and laboratory equipment	EN 61010-1:2006

Output Specifications

Static Voltage Regulation	+/-0.05 % + 2 mV
Static Current Regulation	+/-0.1 % + 2 mA
Dynamic Load Regulation	< 1 – 3 ms (typ.)
Ripple	< 0.2 % (typ.)
Stability	+/-0.05 %
Accuracy of full scale (Vout)	+/-0.2 %
Accuracy of full scale (Cout)	+/-0.5 %
Isolation	3.000 V
Over Voltage Protection	0 – 120 % Vmax
Cuircuit Protection	OC / OV / OT / OP
Line Regulation	< +/-0.1 % + 2 mV

Programming & Controls

Output Control & Monitoring	Front panel and/or optional analog 0 – +5 V / +10 V isolated Digital 12 bit: RS 232, RS 485, IEEE488, LAN, USB, SD card

Ambient Conditions

Cooling	Fans
Operating temperature	0 – 50°C
Storage temperature	-20 – 70°C
Humidity	< 80%
Operating height	< 2.000 m
Vibration	10 – 55 Hz / 1 min / 2G XYZ
Shock	< 20 G
Weight	1,2 kW 7 kg l 2,4 kW 7,6 kg

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