

SITOP lite basic power supplies

The cost-effective basic power supply



Technical data	SITOP lite			
Output voltage / current, type	24 V/2.5 A, PSU100L	24 V/5 A, PSU100L	24 V/10 A, PSU100L	24 V/20 A, PSU100L
Article No.	6EP1332-1LB00	6EP1333-1LB00	6EP1334-1LB00	6EP1336-1LB00
Rated input voltage – Range	AC 120/230 V AC 93...132/187...264 V	AC 120/230 V AC 93...132/187...264 V	AC 120/230 V AC 93...132/187...264 V	AC 100–240 V AC 85...264 V/DC 88...370 V
Mains buffering	> 20 ms (bei 93/187 V)	> 20 ms (bei 93/187 V)	> 20 ms (bei 93/187 V)	> 20 ms (bei 93/187 V)
Rated line frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated input current – Inrush current ¹⁾	1.1/0.65 A < 27 A	2.1/1.15 A < 32 A	4.3/2.0 A < 65 A	5.55/2.35 A < 45 A
Recommended miniature circuit breaker	3 A Characteristic C	6 A Characteristic C	10 A Characteristic C	10 A Characteristic C
Rated output voltage – Tolerance – Setting range	24 V DC ± 3 % 22.8...26.4 V DC	24 V DC ± 3 % 22.8...26.4 V DC	24 V DC ± 3 % 22.8...26.4 V DC	24 V DC ± 3 % 22.8...28 V DC
Rated output current – Derating	2.5 A from +45 °C (1.5 %/K)	5 A from +45 °C (1.5 %/K)	10 A from +45 °C (2 %/K)	20 A from +45 °C (2.5 %/K)
Efficiency at rated values, approx.	85 %	86 %	89 %	92 %
Signaling contact "DC o. k."	No	No	No	No
Parallel switching	Yes	Yes	Yes	Yes
Electronic short-circuit protection	Yes, constant current	Yes, constant current	Yes, constant current	Yes, constant current
Radio int. sup. (EN 55022)	Class A	Class A	Class A	Class B
Supply harmonics limitation (EN 61000-3-2)	Not applicable	No	No	Yes
Degree of protection (EN 60529)	IP20	IP20	IP20	IP20
Ambient temperature	0... +60 °C	0... +60 °C	0... +60 °C	–25...+70 °C
Dimensions (W x H x D) in mm	32.5 x 125 x 120	50 x 125 x 120	70 x 125 x 120	110 x 125 x 125
Weight approx.	0.4 kg	0.5 kg	0.75 kg	1.8 kg
Certification	CE, cULus, CB			

¹⁾ Inrush current can be limited using a SITOP inrush current limiter: [6EP4683-6LB00-0AY0](#) (max. 5 A, 100-240 V AC)
Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

LOGO!Power basic power supplies

Flat power supply for distribution boards



Technical data	18-mm design		36-mm design			
Output voltage/current	12 V/0.9 A	24 V/0.6 A	5 V/3 A	12 V/1.9 A	15 V/1.9 A	24 V/1.3 A
NEC Class 2	Yes	Yes	Yes	Yes	Yes	Yes
Article No. Article No. Ex-variant	6EP3320-6SB00-0AY0	6EP3330-6SB00-0AY0	6EP3310-6SB00-0AY0	6EP3321-6SB00-0AY0	6EP3321-6SB10-0AY0	6EP3331-6SB00-0AY0
Rated input voltage – Range	100–240 V AC 85...264 V AC/110...300 V DC		100–240 V AC 85...264 V AC/110...300 V DC			
Mains buffering	> 40 ms (at 187 V)	> 40 ms (at 187 V)	> 40 ms (at 187 V)			
Rated line frequency	50/60 Hz	50/60 Hz	50/60 Hz			
Rated input current – Inrush current ¹⁾	0.3–0.2 A < 20 A	0.3–0.2 A < 20 A	0.36–0.22 A < 26 A	0.53–0.30 A < 25 A	0.63–0.33 A < 25 A	0.70–0.35 A < 25 A
Recommended miniature circuit breaker	from 6 A characteristic B or from 2 A characteristic C		from 6 A characteristic B or from 2 A characteristic C			
Rated output voltage – Tolerance – Setting range	12 V DC ± 3 % None	24 V DC ± 3 % None	5 V DC ± 3 % 4.6...5.4 V DC	12 V DC ± 3 % 10.5...16.1 V DC	15 V DC ± 3 % 10.5...16.1 V DC	24 V DC ± 3 % 22.2...26.4 V DC
Rated output current – Overload behavior on startup – Derating	0.9 A 1.35 A (for 200 ms)	0.6 A 0.9 A (for 200 ms)	3.0 A 4.5 A (for 200 ms) from +55 °C (2 %/K)	1.9 A 2.85 A (for 200 ms) from +55 °C (2 %/K)	1.9 A 2.85 A (for 200 ms) from +55 °C (2 %/K)	1.3 A 1.95 A (for 200 ms) from +55 °C (2 %/K)
Efficiency at rated values, approx.	78 %	81 %	76 %	81 %	83 %	86 %
Signaling contact "DC o. k."	No		No	No	No	No
Parallel switching	No	No	Yes	Yes	Yes	Yes
No-load loss	< 0.3 W		< 0.3 W			
Electronic short-circuit protection	Yes, constant current		Yes, constant current			
Radio interference suppression (EN 55022)	Class B		Class B			
Supply harmonics limitation (EN 61000-3-2)	Not applicable		Not applicable			
Degree of protection (EN 60529)	IP20		IP20			
Ambient temperature	–25... +70 °C		–25... +70 °C			
Dimensions (W x H x D) in mm	18 x 90 x 53		36 x 90 x 53			
Weight approx.	0.07 kg	0.07 kg	0.12 kg			
Certification	CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, EAC		CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, EAC	CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, EAC		CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, BV, LRS, EAC

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified).

¹⁾ Inrush current can be limited using a SITOP LOGO! ICL 230 inrush current limiter: [6EP4683-6LB00-0AY0](#) (max. 5 A, 100–240 V AC)



New: Ex version

Technical data	54-mm design					72-mm design
Output voltage/current	5 V/6.3 A	12 V/4.5 A	15 V/4 A	24 V/2.5 A		24 V/4 A
NEC Class 2	No	Yes	Yes	Yes		No
Article No. Article No. Ex-variant	6EP3311-6SB00-0AY0	6EP3322-6SB00-0AY0	6EP3322-6SB10-0AY0	6EP3332-6SB00-0AY0		6EP3333-6SB00-0AY0 6EP3333-6SC00-0AY0
Rated input voltage – Range	100–240 V AC 85...264 V AC/110...300 V DC					100–240 V AC 85...264 V AC/110...300 V DC
Mains buffering	> 40 ms (at 187 V)					> 40 ms (at 187 V)
Rated line frequency	50/60 Hz					50/60 Hz
Rated input current – Inrush current ¹⁾	0.71–0.37 A < 50 A	1.13–0.61 A < 50 A	1.24–0.68 A < 55 A	1.22–0.66 A < 52 A		1.95–0.97 A < 31 A
Recommended miniature circuit breaker	from 10 A characteristic B or from 6 A characteristic C					from 10 A characteristic B or from 6 A characteristic C
Rated output voltage – Tolerance – Setting range	5 V DC ± 3 % 4.6...5.4 V DC	12 V DC ± 3 % 10.5...16.1 V DC	15 V DC ± 3 % 10.5...16.1 V DC	24 V DC ± 3 % 22.2...26.4 V DC		24 V DC ± 3 % 22.2...26.4 V DC
Rated output current – Overload behavior on startup – Derating	6.3 A 9.45 A (for 200 ms) from +55 °C (2 %/K)	4.5 A 6.75 A (for 200 ms) from +55 °C (2 %/K)	4.0 A 6.0 A (for 200 ms) from +55 °C (2 %/K)	2.5 A 3.75 A (for 200 ms) from +55 °C (2 %/K)		4.0 A 6.0 A (for 200 ms) from +55 °C (2 %/K)
Efficiency at rated values, approx.	80 %	87 %	88 %	90 %		89 %
Signaling contact “DC o. k.”	No	No	No	No		No
Parallel switching	Yes	Yes	Yes	Yes		Yes
No-load loss	< 0.3 W					< 0.3 W
Electronic short-circuit protection	Yes, constant current					Yes, constant current
Radio interference suppression (EN 55022)	Class B					Class B
Supply harmonics limitation (EN 61000-3-2)	Not applicable					Yes
Degree of protection (EN 60529)	IP20					IP20
Ambient temperature	–25... +70 °C					–25... +70 °C
Dimensions (W x H x D) in mm	54 x 90 x 53					72 x 90 x 53
Weight approx.	0.2 kg					0.29 kg
Certification	CE, CB Scheme, cULus, cURus, SEMI F47, DNV GL, ABS, EAC	CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, EAC	CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, EAC	CE, CB Scheme, cULus, cURus, NEC Class 2, SEMI F47, DNV GL, ABS, SEMI 47, BV, LRS, EAC		CE, CB Scheme, cULus, cURus, SEMI F47, DNV GL, ABS, SEMI F47, BV, LRS, EAC. Ex version: ATEX, IECEx, UKEx