

SITOP smart standard power supplies

The high-performance standard power supply



Technical data	SITOP smart 1-phase					
Output voltage/current. type	24 V/2.5 A, PSU100S	24 V/5 A, PSU100S	12 V 7A, PSU100S	24 V/10 A, PSU100S	12 V/14 A, PSU100S	24 V/20 A, PSU100S
Article No.	6EP1332-2BA20	6EP1333-2BA20	6EP1322-2BA00	6EP1334-2BA20	6EP1323-2BA00	6EP1336-2BA10
Rated input voltage	120/230 V AC	120/230 V AC	120/230 V AC	120/230 V AC	120/230 V AC	120/230 V AC
– Range	85...132/170...264 V AC. automatic range switching					
Mains buffering	> 20 ms (at 93/187 V)	> 20 ms (at 93/187 V)	> 20 ms (at 93/187 V)	> 20 ms (at 93/187 V)	> 20 ms (at 93/187 V)	> 20 ms (at 120/230 V)
Rated line frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated input current – Inrush current ¹⁾ – Recommended miniature circuit breaker	1.25 A/0.74 A < 33 A from 3 A Characteristic C	2.34 A/1.36 A < 40 A from 6 A Characteristic C	1.73 A/0.99 A < 45 A from 6 A Characteristic C	4.49 A/1.91 A < 60 A from 10 A Characteristic C	3.24 A/1.41 A < 60 A from 10 A Characteristic C	7.5/3.5 A < 11 A from 10 A Characteristic C
Rated output current – Tolerance – Setting range	24 V DC ± 3 % 22.8...28 V DC	24 V DC ± 3 % 22.8...28 V DC	12 V DC ± 3 % 11.5...15.5 V DC	24 V DC ± 3 % 22.8...28 V DC	12 V DC ± 3 % 11.5...15.5 V DC	24 V DC ± 3 % 24...28 V DC
Rated output current – Permanently up to +45 °C – Overload behavior (extra power for 5 s/min) – Derating	2.5 A 3 A 3.75 A from +60 °C (3%/K)	5 A 6 A 7.5 A from +60 °C (3%/K)	7 A 7 A 10.5 A from +55 °C (5%/K)	10 A 12 A 15 A from +60 °C (3%/K)	14 A 14 A 21 A from +55 °C (5%/K)	20 A 24 A 30 A from +60 °C (5%/K)
Efficiency at rated values. approx.	85 %	88 %	84 %	90 %	87 %	90 %
Signaling contact "DC o. k."	Yes	Yes	Yes	Yes	Yes	Yes
Parallel switching	Yes	Yes	Yes	Yes	Yes	Yes
Elec. short-circuit protection	Yes, constant current	Yes, constant current	Yes, constant current	Yes, constant current	Yes, constant current	Yes, restart
Radio int. sup. (EN 55022)	Class B	Class B	Class B	Class B	Class B	Class B
Supply harmonics limitation (EN 61000-3-2)	Not applicable	Yes	Yes	Yes	Yes	Yes
Degree of protection (EN 60529)	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature	–25...+70 °C	–25...+70 °C	–25...+70 °C	–25...+70 °C	–25...+70 °C	–25...+70 °C
Dimensions (W x H x D) in mm	32.5 x 125 x 120	50 x 125 x 120	50 x 125 x 120	70 x 125 x 120	70 x 125 x 120	115 x 145 x 150
Weight approx.	0.32 kg	0.5 kg	0.5 kg	0.8 kg	0.8 kg	2.4 kg
Certification	CE, cULus, CB, DNV GL, BV					

¹⁾ Inrush current can be limited using a SITOP inrush current limiter: Article no. [6EP4683-6LB00-0AY0](#) (max. 5 A, 100-240 V AC)
Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

SITOP smart standard power supplies

The high-performance standard power supply



Technical data	SITOP smart 3-phase			
Output voltage/current. type	24 V/5 A, PSU3005	24 V/10 A, PSU3005	24 V/20 A, PSU3005	24 V/40 A, PSU3005
Article No.	6EP1433-2BA20	6EP1434-2BA20	6EP1436-2BA10	6EP1437-2BA20
Rated input voltage	400–500 V 3 AC	400–500 V 3 AC	400–500 V 3 AC	400–500 V 3 AC
– Range	340...550 V 3 AC	340...550 V 3 AC	340...550 V 3 AC	340...550 V 3 AC
Mains buffering	> 6 ms (at 400 V)	> 6 ms (at 400 V)	> 6 ms (at 400 V)	> 6 ms (at 400 V)
Rated line frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated input current	0.45–0.4 A	0.7–0.6 A	1.2–1.0 A	2.0–1.5 A
– Inrush current ¹⁾	< 40	< 50	< 36	< 60 A
– Recommended miniature circuit breaker	A6–16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	A 6–16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	A 6–16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	10–16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10
Rated output current	24 V DC	24 V DC	24 V DC	24 V DC
– Tolerance	± 3 %	± 3 %	± 3 %	± 3 %
– Setting range	24...28 V DC	24...28 V DC	24...28 V DC	24...28 V DC
Rated output current	5 A	10 A	20 A	40 A
– Permanently up to +45 °C	6 A	12 A	24 A	48 A
– Overload behavior (extra power for 5 s/min)	7.5 A	15 A	30 A	60 A
– Derating	from +60 °C (3%/K)	from +60 °C (3%/K)	from +60 °C (5%/K)	from +60 °C (2.5%/K)
Efficiency at rated values. approx.	89 %	91 %	91 %	91.5 %
Signaling contact "DC o. k."	Yes	Yes	Yes	Yes
Parallel switching	Yes	Yes	Yes	Yes
Elec. short-circuit protection	Yes, constant current	Yes, constant current	Yes, restart	Yes, restart
Radio int. sup. (EN 55022)	Class B	Class B	Class B	Class B
Supply harmonics limitation (EN 61000-3-2)	Yes	Yes	Yes	Yes
Degree of protection (EN 60529)	IP20	IP20	IP20	IP20
Ambient temperature	–25...+70 °C	–25...+70 °C	0...+70 °C	0...+70 °C
Dimensions (W x H x D) in mm	50 x 125 x 120	70 x 125 x 120	90 x 145 x 150	150 x 145 x 150
Weight approx.	0.43 kg	0.67 kg	1.6 kg	3.7 kg
Certification	CE, cULus, CB, DNV GL, ABS			

¹⁾ Inrush current can be limited using a SITOP inrush current limiter: [6EP1967-2AA00](#) (max. 10 A, 100-480 V AC, 1 unit per phase required)
 Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)