

SITOP smart

Powerful standard power supply



Technical data	SITOP smart 1-phase					
Output voltage / current, type	24 V/2.5 A	24 V/5 A	24 V/5 A	24 V/10 A	24 V/10 A	24 V/10 A, wallmount
Order No.	6EP1332-2BA10	6EP1333-2AA01	6EP1333-2BA01	6EP1334-2AA01	6EP1334-2BA01	6EP1334-2AA01-0AB0
Rated input voltage – Range	120/230 V AC 85...132/170...264 V AC	120/230 V AC 85...132/170...264 V AC	120/230 V AC 85...132/170...264 V AC	120/230 V AC 85...132/170...264 V AC	120/230 V AC 85...132/170...264 V AC	120/230 V AC 85...132/170...264 V AC
Mains buffering	> 20 ms (at 93/187V)	> 20 ms (at 93/187V)	> 20 ms (at 93/187V)	> 20 ms (at 93/187V)	> 20 ms (at 93/187V)	> 20 ms (at 93/187V)
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 (25 °C) – Recommended miniature circuit breaker	1.1/0.65 A < 14 A 3 A characteristic C	2.1/1.15 A < 32 A 6 A characteristic C	2.1/1.15 A < 32 A 6 A characteristic C	4.1/2.4 A < 65 A 10 A characteristic C	4.1/2.0 A < 65 A 10 A characteristic C	4.1/2.0 A < 65 A 10 A characteristic C
Rated output voltage – Tolerance – Setting range	24 V DC ± 3 % 22.8...28 V DC	24 V DC ± 3 % 22.8...28 V DC	24 V DC ± 3 % 22.8...28 V DC	DC 24 V ± 3 % DC 22.8...28 V	24 V DC ± 3 % 22.8...28 V DC	24 V DC ± 3 % 22.8...28 V DC
Rated output current – Permanently up to 45 °C – Overload behavior (extra power for 5 s/min)	2.5 A 3 A 3.75 A	5 A 6 A 7.5 A	5 A 6 A 7.5 A	10 A 12 A 15 A	10 A 12 A 15 A	10 A 12 A 15 A
Efficiency at rated values, approx.	85 %	87 %	87 %	90 %	91 %	90 %
Parallel switching	Yes	Yes	Yes	Yes	Yes	Yes
Electronic short-circuit protection	Yes, constant current					
Radio interference suppression (EN 55022)	Class B	Class B	Class B	Class B	Class B	Class B
Supply harmonics limitation (EN 61000-3-2)	Not applicable	No	Yes	No	Yes	Yes
Degree of protection (EN 60529)	IP20	IP20	IP20	IP20	IP20	IP20
Ambient temperature	0...+60 °C	0...+60 °C	0...+60 °C	0...+60 °C	0...+60 °C	0...+60 °C
Dimensions (WxHxD) in mm	32.5 x 125 x 125	50 x 125 x 125	50 x 125 x 125	70 x 125 x 125	70 x 125 x 125	70 x 125 x 125
Weight approx.	0.4 kg	0.5 kg	0.5 kg	0.75 kg	0.8 kg	0.85 kg
Certification	CE, UL, CSA, GL, ATEX, Hazardous Location Class I Div 2 Groups A, B, C & D, T4					

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

SITOP smart

Powerful standard power supply



Technical data	SITOP smart 3-phase		
Output voltage / current, type	24 V/10 A, PSU300S	24 V/20 A, PSU300S	24 V/40 A, PSU300S
Order No.	6EP1434-2BA10	6EP1436-2BA10	6EP1437-2BA20
Rated input voltage	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
Mains buffering	> 6 ms (at 400V)	> 6 ms (at 400 V)	> 6 ms (at 400 V)
Rated line frequency	50/60 Hz	50/60 Hz	50/60 Hz
Rated input current	0.7 – 0.5 A	1.2 – 1.0 A	1.7 – 1.5 A
– Inrush current (25 °C)	< 36 A	< 36 A	< 60 A
– Recommended miniature circuit breaker	From 6 – 16 A charact. C 3-ph. coupled or 3 RV2011-1DA10 or 3 RV2711-1DD10	From 6 – 16 A charact. C 3-ph. coupled or 3 RV2011-1DA10 or 3 RV2711-1DD10	From 10 – 16 A charact. C 3-ph. coupled or 3 RV2011-1DA10 or 3 RV2711-1DD10
Rated output voltage	24 V DC	24 V DC	24 V DC
– Tolerance	± 3 %	± 3 %	± 3 %
– Setting range	24...28 V DC	24...28 V DC	24...28 V DC
Overload characteristics	10 A	20 A	40 A
– Permanently up to 45 °C	12 A	24 A	48 A
– Overload behavior (extra power for 5 s/min)	15 A	30 A	60 A
– Derating	–	from +60 °C (5%/K)	from +60 °C (2.5%/K)
Efficiency at rated values, approx.	91 %	91 %	91.5 %
Parallel switching	Yes	Yes	Yes
Electronic short-circuit protection	Yes, restart	Yes, restart	Yes, restart
Radio interference suppression (EN 55022)	Class B	Class B	Class B
Supply harmonics limitation (EN 61000-3-2)	Yes	Yes	Yes
Degree of protection (EN 60529)	IP20	IP20	IP20
Ambient temperature	0...+70 °C	0...+60 °C	0...+60 °C
Dimensions (WxHxD) in mm	90 x 145 x 150	90 x 145 x 150	150 x 145 x 150
Weight approx.	1.6 kg	1.6 kg	3.7 kg
Certification	CE, cULus, ATEX	CE, cULus, ATEX, SEMI F47	CE, cULus, ATEX, SEMI F47

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