







# SITOP modular

## Technology power supply for demanding solutions

						
	new!					
Technical data	SITOP modular 1-phase and 2-phase <sup>1)</sup>					
Output voltage / current, type	24 V/5 A	24 V/10 A	24 V/20 A, PSU100M	24 V/20 A, PSU400M	24 V/20 A	24 V/40 A
Order No.	6EP1333-3BA00	6EP1334-3BA00	6EP1336-3BA10	6EP1536-3AA00	6EP1336-3BA00	6EP1337-3BA00
Rated input voltage – Range	120–230/230–500 V AC 85...264/176...550 V AC	120–230/230–500 V AC 85...264/176...550 V AC	120/230 V AC 85...275 V AC/88...350 V DC	600 V DC 200...900 V DC, start-up from approx. 400 V	120/230 V AC 93...132/183...264 V AC	120/230 V AC 95...132/190...264 V AC
Mains buffering	> 25 ms (at 120/230 V)	> 25 ms (at 120/230 V)	> 20 ms (at 120/230 V)		> 20 ms (at 230 V)	> 20 ms (at 230 V)
Rated line frequency	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	2.2–1.2/1.2–0.61 A < 35 A 6 A charact. C or 3RV1021-1xA10	4.4–2.4/2.4–1.1 A < 35 A 6 A charact. C or 3RV1021-1xA10	4.6–2.5 A < 20 A 6 A charact. C or 3RV1021-1xA10	0.85 A < 8 A	7.7/3.5 A < 60 A 10 A charact. C or 3RV1421-1xA10	15.0/8.0 A < 125 A 20 A charact. C or 3RV1421-xxA10
Rated output voltage – Tolerance – Setting range	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC
Rated output current – Overload behavior (power boost for 25 ms) – Overload behavior (extra power for 5 s/min) – Derating	5 A 15 A	10 A 30 A	20 A 60 A	20 A 30 A	20 A 60 A	40 A 120 A
Efficiency at rated values, approx.	87 %	87 %	93 %	95 %	89 %	88 %
Parallel switching	Yes, output characteristic can be switched to parallel operation					
Electronic short-circuit protection	Yes, constant current or latching shutdown selectable. Constant current: approx. 1.15 x rated output current					
Radio interference suppression (EN 55022)	Class B	Class B	Class B	Class A (emission)	Class B	Class B
Supply harmonics limitation (EN 61000-3-2)	Yes	Yes	Yes	No	Yes	No
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	0...+70 °C	0...+70 °C
Dimensions (WxHxD) in mm	70 x 125 x 125	90 x 125 x 125	90 x 125 x 125	90 x 125 x 125	160 x 125 x 125	240 x 125 x 125
Weight approx.	1.2 kg	1.4 kg	1.5 kg	1.2 kg	2.2 kg	2.9 kg
Certification	CE, cULus, SEMI F47 <sup>2)</sup>	CE, cULus, SEMI F47 <sup>2)</sup>	CE, cULus, SEMI F47 <sup>2)</sup>	CE, cULus (GL and ABS in preparation)	CE, cULus, SEMI F47 <sup>3)</sup>	CE, cULus, SEMI F47 <sup>4)</sup>

<sup>1)</sup> Connection to 2 phases of a three-phase supply system

<sup>2)</sup> At input voltage 208 to 230 V AC

<sup>3)</sup> In conjunction with one buffer module

<sup>4)</sup> In conjunction with two buffer modules

SITOP modular 3-phase				SITOP modular 3-phase, 48 V	
					
<b>24 V/20 A, PSU300M</b>	<b>24 V/20 A</b>	<b>24 V/40 A, PSU300M</b>	<b>24 V/40 A</b>	<b>48 V/10 A, PSU300M</b>	<b>48 V/20 A</b>
6EP1436-3BA10	6EP1436-3BA00	6EP1437-3BA10	6EP1437-3BA00	6EP1456-3BA00	6EP1457-3BA00
400 – 500 V 3 AC 320...575 V 3 AC	400 – 500 V 3 AC 340...550 V 3 AC	400 – 500 V 3 AC 320...575 V 3 AC	400 – 500 V 3 AC 340...550 V 3 AC	400 – 500 V 3 AC 320...575 V 3 AC	400 – 500 V 3 AC 340...550 V 3 AC
> 15 ms (at 400 V)	> 6 ms (at 400 V)	> 15 ms (at 400 V)	> 6 ms (at 400 V)	> 15 ms (at 400 V)	> 6 ms (at 400 V)
50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
1.2 – 1.0 A < 18 A 6 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	1.1 – 0.9 A < 35 A 6 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	2.6 – 2.1 A < 56 A 10 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	2.0 – 1.7 A < 70 A 10 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	1.2 – 1.0 A < 18 A 6 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10	2.2 A (with 400 V) < 70 A 10 – 16 A charact. C 3-ph. coupled or 3RV2011-1DA10 or 3RV2711-1DD10
24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	24 V DC ± 3 % 24...28.8 V DC	48 V DC ± 3 % 42...56 V DC	48 V DC ± 3 % 42...56 V DC
20 A 60 A	20 A 60 A	40 A 120 A	40 A 120 A	10 A 23 A	20 A 60 A
		60 A		15 A	
from +60 °C (3%/K)	from +60 °C	from +60 °C (3.8%/K)	from +60 °C	from +60 °C (3%/K)	
93 %	90 %	93 %	90 %	93 %	90 %
Yes, output characteristic can be switched to parallel operation					
Yes, constant current or latching shutdown selectable. Constant current: approx. 1.15 x rated output current					
Class B	Class B	Class B	Class B	Class B	Class B
Yes	Yes	Yes	Yes	Yes	Yes
IP20	IP20	IP20	IP20	IP20	IP20
–25...+70 °C	0...+70 °C	–25...+70 °C	0...+70 °C	–10...+70 °C	0...+60 °C
70 x 125 x 125	160 x 125 x 125	150 x 125 x 150	240 x 125 x 125	70 x 125 x 125	240 x 125 x 125
1.2 kg	2.0 kg	3.4 kg	3.2 kg	1.2 kg	3.2 kg
CE, cULus, SEMI F47	CE, UL, CSA, SEMI F47	CE, cULus, SEMI F47	CE, UL, CSA, SEMI F47	CE, cULus	CE, UL, CSA

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