Top performance in a compact space

The modular power supply for maximum demands

The SITOP modular power supply is the ideal solution in all applications where a reliable 24 V supply is required. The innovative PSU300M 3-phase basic units in the SITOP line provide high functionality and performance in a very compact space. A mere 70 or 150 mm wide, these stabilized 20 A and 40 A units are among the most compact devices in their class. The operating status is evaluated by an integrated signaling contact. The wide input voltage range, high efficiency, and generous power reserves assure compatibility with almost any power system worldwide.
A unique spectrum of add-on modules protects against a highly diverse range of line disturbances on the primary or secondary side. The completely maintenance-free DC UPS SITOP UPS500 with capacitor technology for buffering power failures and the SITOP select diagnosis module for precise monitoring of individual 24 V feeders are just two examples.

The advantages at a glance

New 24 V / 20 + 40 A 3-phase basic units:

- Space-saving design in a width of only 70 mm or 150 mm, no mounting distances required at the sides
- Wide input voltage range 3 AC 320 to 575 V for various line voltages and for compensating voltage fluctuations
- 1.5 times Extra Power for activation of loads with a high surge current
- Up to 93% efficiency
- Integrated “24 V DC OK” signaling contact

SITOP modular in general:

- Stabilized power supply for maximum demands
- Rugged metal enclosure
- Power Boost with triple rated current
- Operating status indicated by three LEDs
- Optional short-circuit response: automatic restart or latching deactivation
- Parallel connection possible to increase the power
- PCB can be optionally coated with protective lacquer
- Can be expanded with SITOP add-ons

SITOP modular

Answers for industry.

SIEMENS

Technical data	SITOP modular 1-phase and 2-phase [1]			
SITOP modular basic unit	24 V / 5 A	24 V / 10 A	24 V / 20 A	24 V / 40 A
Order No.	6EP1333-3BA00	6EP1334-3BA00	6EP1336-3BA00	6EP1337-3BA00
– PCB with protective coating	6EP1333-3BA00-8AC00	6EP1333-3BA00-8AB00	6EP1336-3BA00-8AA00	–
Rated input voltage value	120 to 230/230 to 500 V AC	120 to 230/230 to 500 V AC	120/230 V AC	120/230 V AC
– Range	85 ... 264/176 ... 550 V AC	85 ... 264/176 ... 550 V AC	93 ... 132/183 ... 264 V AC	93 ... 132/183 ... 264 V AC
Mains buffering	> 25 ms (at 120 / 230 V)	> 25 ms (at 120 / 230 V)	> 20 ms (at 230 V)	> 20 ms (at 230 V)
Rated line frequency value	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Rated input current value	2.2 to 1.2 / 1.2 to 0.6 A	4.4 to 2.4 / 2.4 to 1.1 A	7.7 / 3.5 A	15.0 / 8.0 A
Rated output voltage value	24 V DC ± 3%	24 V DC ± 3%	24 V DC ± 3%	24 V DC ± 3%
– Setting range	24 ... 28.8 V DC	24 ... 28.8 V DC	24 ... 28.8 V DC	24 ... 28.8 V DC
Rated output current value	5 A	10 A	20 A	40 A
Efficiency at rated values approx.	87%	87%	89%	88%
Short-time overload response	Power Boost: 3 × rated output current value for 25 ms			
Solid-state short-circuit protection	Yes, stabilized current or latching deactivation can be selected. Stabilized current: approx. 1.15 x rated output current value			
EMC	Radio interference level class B to EN 55022, supply harmonics limitation to EN 61000-3-2			
Degree of protection to EN 60529	IP20	IP20	IP20	IP20
Ambient temperature	0 ... +60 °C	0 ... +60 °C	0 ... +60 °C	0 ... +60 °C
Dimensions (W x H x D) in mm	70 × 125 × 125	90 × 125 × 125	160 × 125 × 125	240 × 125 × 125
Weight approx.	1.2 kg	1.4 kg	2.2 kg	2.9 kg
Certification	CE, cULus, SEMI F47[2]	CE, cULus, SEMI F47[2]	CE, cULus, SEMI F47[3]	CE, cULus, SEMI F47[4]

[1] Connection to 2 phases of a 3-phase power supply
[2] For 208–240 V input voltage or with buffer module
[3] In combination with one buffer module
[4] In combination with two buffer modules

New

New

Technical data	SITOP modular 3-phase				3-ph., 48 V DC
SITOP modular basic unit	24 V / 20 A	24 V / 20 A	24 V / 40 A	24 V / 40 A	48 V / 20 A
Order No.	6EP1436-3BA10	6EP1436-3BA00	6EP1437-3BA10	6EP1437-3BA00	6EP1457-3BA00
– PCB with protective coating	–	6EP1436-3BA00-8AA00	–	6EP1437-3BA00-8AA00	–
Rated input voltage value	400 to 500 V 3AC	400 to 500 V 3AC	400 to 500 V 3AC	400 to 500 V 3AC	400 to 500 V 3AC
– Range	320 ... 575 V 3AC	340 ... 550 V 3AC	320 ... 575 V 3AC	340 ... 550 V 3AC	340 ... 550 V 3AC
Mains buffering	> 15 ms (at 400 V)	> 6 ms (at 400 V)	> 15 ms (at 400 V)	> 6 ms (at 400 V)	> 6 ms (at 400 V)
Rated line frequency value	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Rated input current value	1.2 to 1.0 A	1.1 to 0.9 A	2.6 to 1.2 A	2.2 A (at 400 V)	2.2 A (at 400 V)
Rated output voltage value	24 V DC ± 3%	24 V DC ± 3%	24 V DC ± 3%	24 V DC ± 3%	48 V DC ± 3%
– Setting range	24 ... 28.8 V DC	24 ... 28.8 V DC	24 ... 28.8 V DC	24 ... 28.8 V DC	42 ... 56 V DC
Rated output current value	20 A	20 A	40 A	40 A	20 A
Efficiency at rated values approx.	93%	90%	93%	90%	90%
Short-time overload response	3 × rated output current value for 25 ms, Extra Power (6EP143x-3BA10): 1.5 × rated output current value for 5 s / min				
Solid-state short-circuit protection	Yes, stabilized current or latching deactivation can be selected. Stabilized current: approx. 1.15 x rated output current value				
EMC	Radio interference level class B to EN 55022, supply harmonics limitation to EN 61000-3-2				
Degree of protection to EN 60529	IP20	IP20	IP20	IP20	IP20
Ambient temperature	–10 ... +60 °C	0 ... +60 °C	–10 ... +60 °C	0 ... +60 °C	0 ... +60 °C
Dimensions (W x H x D) in mm	70 × 125 × 125	160 × 125 × 125	150 × 125 × 150	240 × 125 × 125	240 × 125 × 125
Weight approx.	1.2 kg	2.0 kg	3.4 kg	3.2 kg	3.2 kg
Certification	CE, cULus	CE, UL, CSA, SEMI F47	CE, cULus	CE, UL, CSA, SEMI F47	CE, UL, CSA

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