

Reliability in a compact design.
The new SITOP smart universal power supply.



The advantages at a glance

- Complete range of performance from 60 to 240 W for universal use
- Compact design with widths of only 32.5, 50 and 70 mm requiring minimum mounting surface
- Simple DIN rail mounting
- Trouble-free energizing of loads with high starting current such as DC/DC converters and motors
- Increased output due to continuous 120 % of the nominal output up to 45 °C
- Increased adjustment range of the output voltage up to 28 VDC adjustable with potentiometer from the front side
- Parallel connection possible for increased performance
- Extensive certification according to UL, CSA, GL (German Lloyd) and ATEX guidelines (Atmosphère Explosible)
- Universal use worldwide – in industrial or residential applications
- Can be combined with SITOP add-ons: Redundancy module, DC-UPS and battery modules, SITOP select diagnostic module
- Attractive design, matching SITOP modular

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SMART

One third smaller, but with even more power: the new SITOP smart is one of the narrowest DIN rail-mounted power supply units and exhibits an impressive overload behavior. Even high loads can be switched on without any problems. Nominal outputs of continuous 120 percent position the new power supplies as the most reliable of their class. Numerous certifications simplify their universal and worldwide use, as well as their deployment under hazardous conditions.

SIEMENS








SITOP smart – your plant will run and run and run ...

Maximum quality and reliability in combination with high functionality reduce downtimes to a minimum. If required, the output voltage can now be increased to 28 VDC. This is done conveniently by adjusting the potentiometer from the front of the unit. Expansion with perfectly coordinated SITOP add-on modules provides

additional flexibility. For example, SITOP smart can quite easily be upgraded into an uninterruptible power supply by adding a DC-UPS module and a battery. The redundancy module and a second power supply of the same type enable redundant operation. In combination with the SITOP select diagnostic

module, individual 24 VDC load circuits can be reliably protected. SITOP smart thus becomes the ideal 24 VDC power supply solution – providing excellent protection for a wide range of applications.

SITOP smart power supplies					
					
SITOP	24 VDC/2.5 A	24 VDC/5 A	24 VDC/5 A	24 VDC/10 A	24 VDC/10 A
Order No.	6EP1332-2BA10	6EP1333-2AA01	6EP1333-2BA01	6EP1334-2AA01	6EP1334-2BA01
Nominal input voltage	120/230 VAC	120/230 VAC		120/230 VAC	
• Range	85 ... 132/170 ... 264 VAC	85 ... 132/170 ... 264 VAC		85 ... 132/170 ... 264 VAC	
Power loss ride-through	> 20 ms (at 93/187 VAC)	> 20 ms (at 93/187 VAC)		> 20 ms (at 93/187 VAC)	
Rated supply frequency	50/60 Hz	50/60 Hz		50/60 Hz	
Nominal input current	1.1/0.65 A	2.1/1.15 A		4.1/2.4 A	4.1/2.0 A
• Starting current (25 °C)	< 14 A	< 32 A		< 65 A	
• Recommended m.c.b.	3 A characteristic C	6 A characteristic C		10 A characteristic C	
Nominal output voltage	24 VDC	24 VDC		24 VDC	
• Tolerance	± 3 %	± 3 %		± 3 %	
• Adjustment range	22.8–28 DCV	22.8–28 DCV		22.8–28 DCV	
Nominal output current	2.5 A (3 A up to +45°C)	5 A (6 A up to +45°C)		10 A (12 A up to +45°C)	
Efficiency at nominal values, approx.	85 %	87 %		91 %	90 %
Parallel connection option for increased output	Yes	Yes		Yes	
Electronic short-circuit protection	Yes, constant current approx. 1.3 x nominal output current				
Radio interference level (EN 55022)	Class B	Class B		Class B	
Supply harmonics meets EN 61000-3-2	Not applicable	No	Yes	No	Yes
Degree of protection according to EN 60529	IP 20	IP 20		IP 20	
Ambient temperature	0 to +60°C	0 to +60°C		0 to +60°C	
Dimensions (WxHxD) in mm	32.5x125x125	50x125x125		70x125x125	
Weight approx.	0.4 kg	0.5 kg	0.5 kg	0.75 kg	0.8 kg
Certifications	CE, UL, CSA, GL, ATEX	CE, UL, CSA, GL, ATEX		CE, UL, CSA, GL, ATEX	

The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.