



SITOP PSU3600 DUAL/1ACDC/2x15VDC/3.5A

SITOP PSU3600 dual stabilized power supply Input: 120-230 V AC Output: 15 V/3,5 A 2x DC two potential-free outputs

General information	
Technical Product Detail Page	<a href="https://l.siemens.com/1P6EP3323-0SA00-0BY0">https://l.siemens.com/1P6EP3323-0SA00-0BY0</a>
input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
<ul style="list-style-type: none"> <li>• minimum rated value</li> <li>• maximum rated value</li> <li>• initial value</li> <li>• full-scale value</li> </ul>	120 V 230 V 85 V 264 V
supply voltage at AC	Derating at < 110 V AC/DC: output power max. 100 W
input voltage at DC	88 ... 250 V
wide range input	Yes
buffering time for rated value of the output current in the event of power failure minimum	10 ms
operating condition of the mains buffering	at $V_{in} = 120\text{ V}$ , 40 ms at $V_{in} = 187\text{ V}$
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
<ul style="list-style-type: none"> <li>• at rated input voltage 110 V</li> <li>• at rated input voltage 120 V</li> <li>• at rated input voltage 220 V</li> <li>• at rated input voltage 230 V</li> </ul>	1.3 A 2.2 A 0.7 A 1.3 A
current limitation of inrush current at 25 °C maximum	35 A
I <sup>2</sup> t value maximum	1 A <sup>2</sup> ·s
fuse protection type	T 3.15 A (not accessible)
fuse protection type in the feeder	Recommended miniature circuit breaker: 6-10 A characteristic C
output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	2
output voltage at DC rated value	15 V
formula for output voltage	2 x 15 V DC
output voltage	
<ul style="list-style-type: none"> <li>• at output 1 at DC rated value</li> <li>• at output 2 at DC rated value</li> </ul>	15 V 15 V
output voltage adjustable	Yes; via potentiometer per output
adjustable output voltage	12 ... 28 V
relative overall tolerance of the voltage	1 %
relative control precision of the output voltage	
<ul style="list-style-type: none"> <li>• on slow fluctuation of input voltage</li> </ul>	0.1 %

<ul style="list-style-type: none"> <li>on slow fluctuation of ohm loading</li> </ul>	1 %
residual ripple	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	50 mV
voltage peak	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	150 mV
display version for normal operation	Green LED grün for Vout >10 V (summation display)
type of signal at output	-
behavior of the output voltage when switching on	Overshoot of Vout < 1 %
response delay maximum	0.5 s
output current	
<ul style="list-style-type: none"> <li>rated value</li> </ul>	3.5 A
<ul style="list-style-type: none"> <li>at output 1 rated value</li> </ul>	3.5 A
<ul style="list-style-type: none"> <li>at output 2 rated value</li> </ul>	3.5 A
<ul style="list-style-type: none"> <li>rated range</li> </ul>	0 ... 3.5 A; Output power max. 60 W per output
supplied active power typical	105 W
bridging of equipment	Yes
number of parallel-switched equipment resources for increasing the power	2
<b>efficiency</b>	
efficiency in percent	88 %
power loss [W]	
<ul style="list-style-type: none"> <li>at rated output voltage for rated value of the output current typical</li> </ul>	18 W
<b>protection and monitoring</b>	
design of the overvoltage protection	≤ 35 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
response value current limitation	5 A
design of the current limitation	depending on the voltage setting
<b>safety</b>	
galvanic isolation between input and output	Yes
galvanic isolation	Output voltage: SELV, ES1 (IEC 62368-1), DVC As (IEC 61204-7)
operating resource protection class	Class I
leakage current	
<ul style="list-style-type: none"> <li>maximum</li> </ul>	3.5 mA
protection class IP	IP20
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>for emitted interference</li> </ul>	EN 55022 Class B
<ul style="list-style-type: none"> <li>for mains harmonics limitation</li> </ul>	EN 61000-3-2
<ul style="list-style-type: none"> <li>for interference immunity</li> </ul>	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	Yes; cULus-listed (UL 508, CSA C22.2 No. 107.1), file E197259; outputs NEC Class 2 acc. to UL 1310
<ul style="list-style-type: none"> <li>EAC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>Regulatory Compliance Mark (RCM)</li> </ul>	Yes
<ul style="list-style-type: none"> <li>NEC Class 2</li> </ul>	Yes; according to UL1310
type of certification	
<ul style="list-style-type: none"> <li>CB-certificate</li> </ul>	No
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>IECEX</li> </ul>	No
<ul style="list-style-type: none"> <li>ATEX</li> </ul>	No
<ul style="list-style-type: none"> <li>ULhazloc approval</li> </ul>	No
<ul style="list-style-type: none"> <li>FM registration</li> </ul>	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	No

Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Lloyds Register of Shipping (LRS)</li> </ul>	<p>No</p> <p>No</p> <p>No</p> <p>No</p>

**ambient conditions**

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> <li>during transport</li> <li>during storage</li> </ul>	<p>-25 ... +70 °C; Derating &gt; 60°C: 2%/°K</p> <p>-40 ... +70 °C</p> <p>-40 ... +70 °C</p>
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation

**connection method**

type of electrical connection	screw terminal
<ul style="list-style-type: none"> <li>at input</li> <li>at output</li> <li>for auxiliary contacts</li> </ul>	<p>L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm<sup>2</sup> single-core/finely stranded</p> <p>+: 1 screw terminal per output for 0.5 ... 2.5 mm<sup>2</sup>; -: 2 screw terminals per output for 0.5 ... 2.5 mm<sup>2</sup></p> <p>-</p>

**mechanical data**

width × height × depth of the enclosure	42 × 125 × 125 mm
installation width × mounting height	42 mm × 225 mm
required spacing	
<ul style="list-style-type: none"> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> </ul>	<p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p>
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> <li>DIN-rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> </ul>	<p>Yes</p> <p>No</p> <p>No</p>
housing can be lined up	Yes
net weight	0.55 kg

**further information internet links**

internet link	
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://siemens.com/sitop">https://siemens.com/sitop</a></p> <p><a href="https://siemens.com/cax">https://siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

**additional information**

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

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)
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**Classifications**

		<b>Version</b>	<b>Classification</b>
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eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	10	EC002540
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

**Approvals Certificates**

**General Product Approval**

[Manufacturer Declaration](#)

[Declaration of Conformity](#)

[China RoHS](#)



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