



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

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; Derating at < 110 V AC/DC: output power max. 100 W 264 V
input voltage	
<ul style="list-style-type: none"> <li>• at DC</li> </ul>	88 ... 250 V
design of input wide range input	Yes
operating condition of the mains buffering	at $V_{in} = 120\text{ V}$ , 40 ms at $V_{in} = 187\text{ V}$
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	
<ul style="list-style-type: none"> <li>• 1 rated value</li> <li>• 2 rated value</li> </ul>	50 Hz 60 Hz
line frequency	47 ... 63 Hz
input current	
<ul style="list-style-type: none"> <li>• at rated input voltage 120 V</li> <li>• at rated input voltage 230 V</li> <li>• at rated input voltage 110 V</li> <li>• at rated input voltage 220 V</li> </ul>	2.2 A 1.3 A 1.3 A 0.7 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)
<ul style="list-style-type: none"> <li>• in the feeder</li> </ul>	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
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> <li>• on slow fluctuation of ohm loading</li> </ul>	0.1 % 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
adjustable output voltage	12 ... 28 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer per output
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
product feature	
<ul style="list-style-type: none"> <li>• bridging of equipment</li> </ul>	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
response value current limitation	5 A
design of the current limitation	depending on the voltage setting
property of the output short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
display version for overload and short circuit	-
<b>Safety</b>	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1
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>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>• CSA approval</li> </ul>	Yes; -
<ul style="list-style-type: none"> <li>• cCSAus, Class 1, Division 2</li> </ul>	No
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	No
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEX</li> </ul>	No
<ul style="list-style-type: none"> <li>• NEC Class 2</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• ULhazloc approval</li> </ul>	No
<ul style="list-style-type: none"> <li>• FM registration</li> </ul>	No
type of certification CB-certificate	No
certificate of suitability	
<ul style="list-style-type: none"> <li>• EAC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• C-Tick</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Regulatory Compliance Mark (RCM)</li> </ul>	Yes
certificate of suitability shipbuilding approval	No
shipbuilding approval	-
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>• DNV GL</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> </ul>	No
	No
	No
	No
	No
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for mains harmonics limitation</li> <li>• for interference immunity</li> </ul>	EN 55022 Class B EN 61000-3-2 EN 61000-6-2
<b>environmental conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	-25 ... +70 °C; Derating > 60°C: 2%/°K -40 ... +70 °C -40 ... +70 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
<b>Mechanics</b>	
type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> <li>• at input</li> <li>• at output</li> <li>• for auxiliary contacts</li> </ul>	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm <sup>2</sup> single-core/finely stranded +: 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> -
width of the enclosure	42 mm
height of the enclosure	125 mm
depth of the enclosure	125 mm
required spacing	
<ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	50 mm 50 mm 0 mm 0 mm
net weight	0.55 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

