

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	
Input	1-phase AC or DC
Rated voltage value V_{in} rated	120 ... 230 V
Voltage range AC	85 ... 264 V
<ul style="list-style-type: none"> Note 	Derating at < 110 V AC/DC: output power max. 100 W
input voltage	
<ul style="list-style-type: none"> at DC 	88 ... 250 V
Wide-range input	Yes
Mains buffering	at $V_{in} = 120$ V, 40 ms at $V_{in} = 187$ V
Mains buffering at I_{out} rated, min.	10 ms; at $V_{in} = 120$ V, 40 ms at $V_{in} = 187$ V
Rated line frequency 1	50 Hz
Rated line frequency 2	60 Hz
Rated line range	47 ... 63 Hz
input current	
<ul style="list-style-type: none"> at rated input voltage 120 V at rated input voltage 230 V at rated input voltage 110 V at rated input voltage 220 V 	2.2 A 1.3 A 1.3 A 0.7 A
Switch-on current limiting (+25 °C), max.	35 A

I ² t, max.	1 A ² ·s
Built-in incoming fuse	T 3.15 A (not accessible)
Protection in the mains power input (IEC 898)	Recommended miniature circuit breaker: 6-10 A characteristic C

Output

Output	Controlled, isolated DC voltage
number of outputs	2
Rated voltage V _{out} DC	15 V
<ul style="list-style-type: none"> • Output voltage • output voltage at output 1 at DC rated value • output voltage at output 2 at DC rated value 	2 x 15 V DC 15 V 15 V
Total tolerance, static ±	1 %
Static mains compensation, approx.	0.1 %
Static load balancing, approx.	1 %
Residual ripple peak-peak, max.	50 mV
Spikes peak-peak, max. (bandwidth: 20 MHz)	150 mV
Adjustment range	12 ... 28 V
product function output voltage adjustable	Yes
Output voltage setting	via potentiometer per output
Status display	Green LED grün for V _{out} > 10 V (summation display)
Signaling	-
On/off behavior	Overshoot of V _{out} < 1 %
Startup delay, max.	0.5 s
Rated current value I _{out} rated	3.5 A
output current	
<ul style="list-style-type: none"> • at output 1 rated value • at output 2 rated value 	3.5 A 3.5 A
Current range	0 ... 3.5 A
<ul style="list-style-type: none"> • Note 	Output power max. 60 W per output
supplied active power typical	105 W
Parallel switching for enhanced performance	Yes
Numbers of parallel switchable units for enhanced performance	2

Efficiency

Efficiency at V _{out} rated, I _{out} rated, approx.	88 %
Power loss at V _{out} rated, I _{out} rated, approx.	18 W

Protection and monitoring

Output overvoltage protection	≤ 35 V
Current limitation	5 A
Current limitation	depending on the voltage setting
property of the output short-circuit proof	Yes
Short-circuit protection	Electronic shutdown, automatic restart
Overload/short-circuit indicator	-

Safety	
Primary/secondary isolation	Yes
galvanic isolation	Safety extra low output voltage V_{out} according to EN 60950-1
Protection class	Class I
leakage current <ul style="list-style-type: none"> • maximum 	3.5 mA
Degree of protection (EN 60529)	IP20

Approvals	
CE mark	Yes
UL/cUL (CSA) approval	cULus-listed (UL 508, CSA C22.2 No. 107.1), file E197259; outputs NEC Class 2 acc. to UL 1310
Explosion protection	-
certificate of suitability NEC Class 2	Yes
FM approval	-
CB approval	No
Marine approval	-

EMC	
Emitted interference	EN 55022 Class B
Supply harmonics limitation	EN 61000-3-2
Noise immunity	EN 61000-6-2

environmental conditions	
ambient temperature <ul style="list-style-type: none"> • during operation — Note • during transport • during storage 	-25 ... +70 °C Derating > 60°C: 2%/°K -40 ... +70 °C -40 ... +70 °C
Humidity class according to EN 60721	Climate class 3K3, 5 ... 95% no condensation

Mechanics	
Connection technology	screw-type terminals
Connections <ul style="list-style-type: none"> • Supply input • Output • Auxiliary 	L1, N, PE: 1 screw terminal each for 0.5 ... 2.5 mm ² single-core/finely stranded +: 1 screw terminal per output for 0.5 ... 2.5 mm ² ; -: 2 screw terminals per output for 0.5 ... 2.5 mm ² -
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"> • top • bottom • left 	50 mm 50 mm 0 mm

• right	0 mm
Weight, approx.	0.55 kg
product feature of the enclosure housing for side-by-side mounting	Yes
Installation	Snaps onto DIN rail EN 60715 35x7.5/15
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)