SITOP PSU3600 FLEXI

Product Data Sheet

6EP3343-0SA00-0AY0

Adjustable DC Power Supply

AC SUPPLY RANGE	DC SUPPLY RANGE	LINE FREQUENCY	INPUT CURRENT AT 120/230 V AC
85 to 264 V; derating below 110 V	**88 to 250 V**	**47 to 63 Hz**	**2.6 A / 1.3 A**

Siemens 6EP3343-0SA00-0AY0 is the SITOP PSU3600 flexi adjustable stabilized power supply with a 120 W output limit. The output can be set from 3 to 52 V DC by potentiometer or from 0 to 52 V DC through the documented analog control signal. Its maximum 10 A output applies only while remaining within the 120 W power capability.

01 TECHNICAL DATA

AC supply range	85 to 264 V; derating below 110 V
DC supply range	88 to 250 V
Line frequency	47 to 63 Hz
Input current at 120/230 V AC	2.6 A / 1.3 A
Maximum inrush current	35 A at 25 degrees C
Mains hold-up time	80 ms minimum at 120 W, 230 V AC
Output setting by potentiometer	3 to 52 V DC
Output setting by control signal	0 to 52 V DC using 0 to 2.5 V control
Maximum output current	10 A within 120 W limit
Rated output power	120 W

02 ADDITIONAL PRODUCT DATA

Maximum residual ripple	50 mV
Voltage compensation per sense line	0.5 V
Maximum parallel units	2 for increased power
Typical efficiency	88%
Operating temperature	-25 to +70 degrees C; 2%/K derating above 60 degrees C

03 PRODUCT FUNCTION

The unit accepts single-phase AC or DC input, with an AC range of 85 to 264 V and a DC range of 88 to 250 V. Output power is limited to 100 W below 110 V input. Sense-line compensation, DC-OK relay signaling and a 0 to 2.5 V current-monitor signal support integration into adjustable DC arrangements; the enclosure mounts on a 35 mm DIN rail.

04 SYSTEM COMPATIBILITY

Connect AC to L1, N and PE or use the documented DC input arrangement within 88 to 250 V. Apply the recommended feeder protection and the specified terminal cross-sections. Where remote sensing is used, allow no more than the documented 0.5 V compensation per sense line and retain the correct output polarity.

05 REFERENCE

Siemens SITOP PSU3600 flexi 6EP3343-0SA00-0AY0 Data Sheet, 14 August 2023; original pages 1-3; reseller appendix excluded.

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