SITOP POWER 10

Product Data Sheet

6EP1334-1SL12

24 V DC power supply

NOMINAL INPUT	INPUT VOLTAGE RANGES	LINE FREQUENCY	RATED OUTPUT VOLTAGE
120/230 V AC, single phase	**85-132 V / 170-264 V AC**	**50/60 Hz**	**24 V DC, +/-3%**

Siemens 6EP1334-1SL12 is a SITOP power 10 primary switched-mode supply that converts single-phase AC mains to a floating 24 V DC output. Its 10 A output is intended for industrial control-power distribution in a DIN-rail installation.

01 VERIFIED TECHNICAL DATA

Nominal input	120/230 V AC, single phase
Input voltage ranges	85-132 V / 170-264 V AC
Line frequency	50/60 Hz
Rated output voltage	24 V DC, +/-3%
Output current	0-10 A
Full-load efficiency	89% at 230 V
Input current	4.1 A at 120 V; 1.8 A at 230 V
Power consumption	270 W
Inrush current at 230 V	55 A at 25 C
Recommended C-curve breaker	10 A

02 ADDITIONAL PRODUCT DATA

Output ripple	<150 mV peak-to-peak
Output spikes	<240 mV peak-to-peak
Operating temperature	0 to +60 C
Storage temperature	-40 to +85 C
Enclosure protection	IP20

03 PRODUCT FUNCTION

A voltage selector provides the 120 V or 230 V AC input setting, with operating ranges of 85-132 V and 170-264 V respectively. The supply uses natural convection, limits output current and automatically restarts after a short circuit; Siemens permits series operation of two matching units but prohibits parallel connection to increase output power.

04 SYSTEM COMPATIBILITY

Set the voltage selector to the actual incoming mains range before applying power: 120 V for 85-132 V AC, or 230 V for 170-264 V AC. Connect protective earth and provide the isolating and protective devices specified by the installation design.

05 MANUFACTURER SOURCE

Siemens official documentation: 6EP1334-1SL12.pdf. Selected source pages: 1, 2, 4.

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