

6EP3334-8SB00-0AY0

SITOP PSU8200 Regulated Power Supply

Siemens 6EP3334-8SB00-0AY0 is a SITOP PSU8200 single-phase regulated power supply. It delivers 24 V DC at 10 A for industrial control and automation loads.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SITOP PSU8200 industrial power supply

PART

6EP3334-8SB00-0AY0

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PRODUCT OVERVIEW

Siemens 6EP3334-8SB00-0AY0 is a SITOP PSU8200 single-phase regulated power supply. It delivers 24 V DC at 10 A for industrial control and automation loads.

1

Converts single-phase AC mains into regulated 24 V DC control power

2

Maintains the configured output across the automatic input-voltage ranges

3

Buffers brief mains interruptions for connected automation loads

4

Provides local output-voltage status through the front green LED

SYSTEM COMPONENTS

single-phase AC feeder

24 V DC control distribution

SITOP-compatible protection and redundancy accessories

automation cabinet loads

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6EP1434-2BA20	SITOP industrial power supply	Open product page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Input voltage	120/230 V AC automatic range
Input ranges	85-132 V AC; 170-264 V AC
Input frequency	47 to 63 Hz
Input current at 120 V	4 A
Input current at 230 V	1.9 A
Inrush current	10 A maximum
I _{2t}	0.3 A _{2s} maximum
Mains buffering	35 ms minimum
Output voltage	24 V DC

PARAMETER	VALUE
Adjustable output	24 to 28.8 V DC
Rated output current	10 A
Rated output power	240 W
Total tolerance	3%
Line regulation	0.1%
Load regulation	0.3%
Residual ripple	50 mV maximum
Peak voltage	200 mV maximum
Status indication	Green LED: 24 V OK

TECHNICAL NOTE

Select the correct upstream protection, earth the supply as specified, set output voltage with loads isolated, and verify 24 V stability under the documented startup and load conditions.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

PLC and distributed-I/O power

Converts single-phase AC mains into regulated 24 V DC control power

Industrial control-panel 24 V distribution

Maintains the configured output across the automatic input-voltage ranges

Machine sensor and actuator supply

Buffers brief mains interruptions for connected automation loads

Process automation cabinet power

Provides local output-voltage status through the front green LED

PRODUCT PRECAUTIONS

- 1 Verify 6EP3334-8SB00-0AY0 and the 10 A rating before installation.
- 2 Isolate both AC input and downstream 24 V DC distribution.
- 3 Confirm the automatic input range and upstream protective device.
- 4 Maintain protective-earth continuity and cabinet clearances.
- 5 Check conductor size, polarity, and terminal clamping before energization.
- 6 Set the adjustable output only within 24 to 28.8 V DC.
- 7 Measure output during representative load startup and mains transfer conditions.
- 8 Confirm the green 24 V OK indication and downstream controller health before release.

ENGINEER FAQ

Q1 Which configuration check is essential when commissioning 6EP3334-8SB00-0AY0?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q3 What should be checked if 6EP3334-8SB00-0AY0 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q5 What commissioning evidence should be retained for 6EP3334-8SB00-0AY0?

Retain the full 6EP3334-8SB00-0AY0 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.

Q7 How should the field connections for 6EP3334-8SB00-0AY0 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 6EP3334-8SB00-0AY0.

Q2 How can an engineer function-test 6EP3334-8SB00-0AY0 after installation?

Apply a controlled input, reference, or limited output appropriate to sitop psu8200 regulated power supply, observe the system indication and diagnostics, and confirm the intended process response.

Q4 Can 6EP3334-8SB00-0AY0 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q6 Which installed hardware must be matched before fitting 6EP3334-8SB00-0AY0?

Match the complete 6EP3334-8SB00-0AY0 marking to single-phase AC feeder and 24 V DC control distribution, then confirm the assigned SITOP PSU8200 industrial power supply position and approved system configuration.

Q8 What isolation is required before installing 6EP3334-8SB00-0AY0?

Place plc and distributed-i/o power in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.