

Siemens 6EP1333-2BA00

SITOP Power Supply

Rail-mounted switched-mode power supply providing a regulated 24 V DC, 5 A output for industrial control loads.

IDENTITY SNAPSHOT

H1 24 V DC nominal output	H2 5 A rated output current
H3 120/230 V AC input selection	H4 Adjustable 22.8-26.4 V DC output

System position

1	AC feeder
2	6EP1333-2BA00 conversion
3	24 V DC distribution
4	Control loads

Document boundary

This dossier uses exact-model evidence and clearly identified family context. Unsupported values are intentionally left for nameplate, project-record or revision-manual verification.

Architecture and interface control

Rail-mounted switched-mode power supply providing a regulated 24 V DC, 5 A output for industrial control loads.

SYSTEM FLOW	
1	AC feeder
2	6EP1333-2BA00 conversion
3	24 V DC distribution
4	Control loads

Interface map

L1 / N	AC input
PE	Protective earth
AC 120 V jumper	Input-range configuration
L+ / M	Regulated DC output

Engineering rule

Use the full Siemens 6EP1333-2BA00 identity in drawings, spares records and acceptance evidence. A similar family code is not proof of interchangeability.

Verified engineering data

Values below are limited to the reviewed exact-model or directly applicable manufacturer-family evidence.

Input	120/230 V AC, 50/60 Hz
Input tolerance	93-132 V AC or 187-264 V AC
Output	24 V DC nominal, 5 A
Adjustment	22.8-26.4 V DC
Efficiency	87%
Protection	IP20
Short-circuit behavior	Current limiting with automatic restart
Mounting	Vertical; terminals at the bottom

CHANGE CONTROL

Record Capture the complete nameplate, revision and installed position.	Compare Check replacement hardware against project and service records.
Protect Apply the documented power-isolation and ESD procedure.	Prove Complete a model-specific functional test before release.

Service logic

Use evidence in sequence; do not skip directly from a fault symptom to part substitution.

1	Capture symptoms and existing status
2	Verify power, wiring, slot and surrounding system
3	Test 6EP1333-2BA00 against the exact service procedure
4	Replace only after the module is isolated as the cause
5	Commission and archive results

Model-specific precautions

1 Verify the complete 6EP1333-2BA00 nameplate before replacement.	2 Confirm whether the installation requires the 120 V jumper configuration.
3 Isolate the AC feeder and prove absence of voltage before wiring.	4 Connect protective earth before applying line power.
5 Keep the documented vertical orientation with terminals at the bottom.	6 Maintain 50 mm free space above and below for natural cooling.

Decisions and Apter Power support

What output does Siemens 6EP1333-2BA00 provide? It provides a nominal 24 V DC output rated at 5 A.	Can Siemens 6EP1333-2BA00 accept 120 V and 230 V AC? Yes. The documented input arrangement covers 120/230 V AC; the jumper and wiring must match the site supply.
Is Siemens 6EP1333-2BA00 output adjustable? The documented adjustment range is 22.8 to 26.4 V DC.	How should Siemens 6EP1333-2BA00 be mounted? Install it vertically with the terminals at the bottom and maintain the specified ventilation clearance.

Apter Power verification record

Model identity	Keep the complete Siemens model code and every suffix in purchasing, installation and acceptance records.
Verification boundary	Confirm the physical nameplate, installed position and revision-controlled project documents before field work.
Apter Power support	Use the contact details and Apter Power website links in this document for product and sourcing support.

Related Apter Power references	Scope note
Siemens 39SDM024DCCBN 16101-174/8	Portfolio reference only; verify compatibility independently.
Siemens 16101-174/10	Portfolio reference only; verify compatibility independently.



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