

APTER POWER PRODUCT MANUAL

6EP1437-2BA20

SITOP PSU300S 40 A Power Supply

The Siemens 6EP1437-2BA20 is a SITOP PSU300S regulated three-phase power supply that converts 400 to 500 V AC input into a stabilized 24 V DC output rated at 40 A.

It supplies regulated 24 V DC power to PLCs, distributed I/O, relays, communication equipment, sensors, and other control loads. It is installed with three-phase input protection, protective grounding, output distribution and fuse coordination, and an engineered load and inrush budget in manufacturing lines, process plants, and infrastructure cabinets.

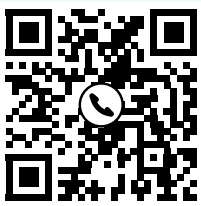
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Forty amps of regulated 24 V DC for dense control cabinets.

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SCAN FOR PRODUCT & QUOTE
6EP1437-2BA20

1. Product Overview and Identity

The Siemens 6EP1437-2BA20 is a SITOP PSU300S regulated three-phase power supply that converts 400 to 500 V AC input into a stabilized 24 V DC output rated at 40 A.

It supplies regulated 24 V DC power to PLCs, distributed I/O, relays, communication equipment, sensors, and other control loads. It is installed with three-phase input protection, protective grounding, output distribution and fuse coordination, and an engineered load and inrush budget in manufacturing lines, process plants, and infrastructure cabinets.

Model Configuration

Field	Verified information
Complete model	6EP1437-2BA20
Manufacturer	Siemens
Product description	SITOP PSU300S 40 A Power Supply

Key Features

- Exact Siemens MLFB 6EP1437-2BA20
- SITOP PSU300S 40 A Power Supply
- 400 to 500 V, three-phase AC
- 24 V DC
- Model-specific lifecycle, weight, dimensions, and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	SITOP PSU300S stabilized power supply
Input	400 to 500 V, three-phase AC
Output	24 V DC
Rated output current	40 A
Product family	Three-phase 24 V DC power supplies
Siemens net weight	3.100 kg
Siemens packaging dimensions	22.5 x 22.0 x 18.5 cm
Country of origin	Romania
Lifecycle	PM300 active product

Verification Note

Use the complete 6EP1437-2BA20 identifier. Siemens lists 6EP1437-2BA20 as a PM300 active product. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It supplies regulated 24 V DC power to PLCs, distributed I/O, relays, communication equipment, sensors, and other control loads. It is installed with three-phase input protection, protective grounding, output distribution and fuse coordination, and an engineered load and inrush budget in manufacturing lines, process plants, and infrastructure cabinets.
- Maintains the documented three-phase industrial 24 V DC power system role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
PLC control power	Supplies controllers, I/O, and communication modules from one regulated rail
High-current control cabinets	Feeds distributed 24 V DC branch circuits with a verified load budget
Process automation	Supports instrumentation and control auxiliaries in continuous plants
Manufacturing systems	Powers sensors, relays, valves, and machine-control electronics

Compatible Components

- Three-phase 400 to 500 V AC supply with Siemens-specified upstream protection
- 24 V DC PLC, I/O, relay, sensor, communication, and auxiliary loads
- Output distribution, selective protection, buffering, or redundancy components approved for the design
- Cabinet grounding, ventilation, conductor sizing, and terminal hardware specified for 40 A service

Lifecycle Status

Siemens lists 6EP1437-2BA20 as a PM300 active product.

4. Installation Precautions

- Input supply: Confirm three-phase voltage, phase protection, disconnecting means, and conductor sizing
- Load budget: Calculate continuous load, inrush, voltage drop, and future expansion below the rated output
- Output protection: Coordinate branch fuses or breakers with cable and load requirements
- Thermal design: Maintain Siemens clearances, airflow, mounting orientation, and cabinet temperature limits
- Startup: Check protective earth, output polarity, 24 V setting, branch currents, and voltage at remote loads

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product record for 6EP1437-2BA20:
<https://mall.industry.siemens.com/mall/en/oeii/Catalog/Product?SiepCountryCode=OE&mlfb=6EP1437-2BA20>

Apter Power product page

<https://www.apterpower.com/Siemens/6ep1437-2ba20>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.