

APTER POWER PRODUCT GUIDE

6EP1434-2BA20

SITOP PSU300S Stabilized Power Supply

Siemens 6EP1434-2BA20 is a SITOP PSU300S stabilized three-phase power supply. It converts an industrial 400–500 V AC supply into regulated 24 V DC at 10 A for automation loads.

Manufacturer	Siemens
Model	6EP1434-2BA20
Product type	SITOP PSU300S Stabilized Power Supply
Product family	SITOP smart 3-phase 24 V DC
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation and system fit

- Isolate all three input phases before wiring.
- Provide the Siemens-specified upstream protective device.
- Maintain the documented free-air clearances above and below the unit.
- Measure output voltage and verify the signaling contact before connecting process loads.

Controlled configuration

Complete model	6EP1434-2BA20
Product type	SITOP PSU300S Stabilized Power Supply
System family	SITOP smart 3-phase 24 V DC

2. Commissioning sequence

- 1 Isolate all three input phases before wiring.
- 2 Provide the Siemens-specified upstream protective device.
- 3 Maintain the documented free-air clearances above and below the unit.
- 4 Measure output voltage and verify the signaling contact before connecting process loads.

Technical verification note

Mount 6EP1434-2BA20 on the specified EN 60715 rail with unobstructed ventilation. Commission the DC bus unloaded first, then verify regulation and the 24 V OK relay under the intended load.

3. Application verification

PLC and distributed-I/O power distribution

Provides galvanically isolated DC power for control equipment

24 V DC sensor and actuator circuits

Signals output availability through the 24 V OK contact

Machine-control cabinet supply

Allows final output trimming for distribution voltage drop

Industrial network-device power

Maintains control power through brief input interruptions

Associated system components

- three-pole input protection
- 35 mm DIN rail
- 24 V DC distribution circuit
- 24 V OK monitoring input

4. Maintenance and verification FAQ

How is 6EP1434-2BA20 protected on the AC side?

Use a three-pole protective device selected from the Siemens feeder-protection guidance and sized to the installation.

What should be checked before loading 6EP1434-2BA20?

Verify phase-to-phase voltage, protective earth, unloaded output voltage, polarity and 24 V OK operation.

Can two 6EP1434-2BA20 outputs be paralleled without review?

Only use a topology explicitly engineered for the SITOP units and the required redundancy or load-sharing function.

What maintenance checks apply to 6EP1434-2BA20?

Inspect terminal torque, ventilation, discoloration, output ripple, operating indication and the signaling contact during scheduled shutdowns.

Source record

Siemens technical product datasheet for 6EP1434-2BA20

<https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6EP1434-2BA20>

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