

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.

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com



SCAN FOR PRODUCT & QUOTE

1. Product overview and identity

- Provides galvanically isolated DC power for control equipment
- Signals output availability through the 24 V OK contact
- Allows final output trimming for distribution voltage drop
- Maintains control power through brief input interruptions

Model configuration

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

2. Technical specifications

Supply network	3-phase AC
Rated input voltage	400-500 V AC
Input operating range	340-550 V AC
Line frequency	47-63 Hz
Input current at 400 V	0.7 A
Input current at 500 V	0.6 A
Maximum inrush current at 25 C	20 A
Minimum mains buffering at 400 V	7 ms
Rated output voltage	24 V DC
Adjustable output voltage	24-28 V DC
Rated output current	10 A
Maximum output power	240 W
Overall voltage tolerance	3%
Maximum residual ripple	200 mV
Maximum voltage peak	240 mV
Status indication	Green LED, 24 V OK
Signal contact	NO relay, 60 V DC / 0.3 A
Protection degree	IP20
Electrical connection	Screw terminals
Mounting rail	EN 60715 35 x 7.5/15 mm

3. Functions, applications and components

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. Engineering FAQ and source record

Which AC network is required by 6EP1434-2BA20?

Use a three-phase feeder within the published input range and apply the upstream protection specified in the Siemens datasheet.

Can 6EP1434-2BA20 be adjusted above 24 V DC?

Yes. The front potentiometer permits adjustment within the published 24–28 V DC range; confirm downstream device limits first.

How should the 24 V OK relay of 6EP1434-2BA20 be used?

Wire the normally open signaling contact to a suitable control input while observing its published 60 V DC, 0.3 A rating.

What ventilation is required for 6EP1434-2BA20?

Maintain the cabinet clearances and ambient conditions stated in the Siemens datasheet and keep the airflow path unobstructed.

Source record

Siemens technical product datasheet for 6EP1434-2BA20

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

ASK FOR QUOTE

sales13@apterpower.com | +86 180 3023 5313 | www.apterpower.com