

SITOP PSU8200

Product Data Sheet

6EP1437-3BA10

Three Phase Power Supply

NOMINAL INPUT MAINS	PERMITTED AC INPUT	LINE FREQUENCY RANGE	ADJUSTABLE DC OUTPUT
3-phase AC; 400 to 500 V	320 to 575 V	47 to 63 Hz	24 to 28.8 V

Siemens 6EP1437-3BA10 is a SITOP PSU8200 stabilized power supply for three-phase industrial mains. It converts the specified AC input into a regulated 24 V DC supply for automation loads in production and process equipment.

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VERIFIED TECHNICAL DATA

Nominal input mains	3-phase AC; 400 to 500 V
Permitted AC input	320 to 575 V
Line frequency range	47 to 63 Hz
Adjustable DC output	24 to 28.8 V
Rated output current	40 A
Rated output power	960 W
Maximum residual ripple	100 mV
Typical efficiency	92%
Typical full-load loss	83 W
Temporary overload capability	150% rated current; up to 5 s/min

ADDITIONAL PRODUCT DATA

Minimum mains buffering	15 ms at 400 V AC
Maximum inrush current	56 A at 25 deg C
Protection degree	IP20
24 V OK relay rating	60 V DC / 0.3 A; normally open
Operating temperature	-25 to 70 deg C; 3.75%/K derating above 60 deg C

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Component Production: Vehicle Component Manufacturing.

Food Manufacturing and Beverage Processing Production: Food Processing and Production.

Chemical Manufacturing and Industrial Process Production: Industrial Chemical Manufacturing.

SYSTEM COMPATIBILITY

Integrate 6EP1437-3BA10 as the specified three-phase SITOP PSU8200 source for regulated 24 V DC loads. Compare the 400 to 500 V nominal mains rating and the permitted 320 to 575 V input range with the actual supply.

PRODUCT EVIDENCE

Siemens 6EP1437-3BA10 Data sheet, 26 November 2024, pp.1 to 3

AMIKON PRODUCT SUPPORT

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