SITOP PSU300S 20 A

Product Data Sheet

6EP1436-2BA10

Three-phase twenty-ampere power supply

AC INPUT TOPOLOGY	NOMINAL LINE BAND	PERMISSIBLE LINE RANGE	INPUT FREQUENCY
Three-phase	**400-500 V AC**	**340-550 V AC**	**47-63 Hz**

Siemens 6EP1436-2BA10 is the SITOP PSU300S regulated power supply with a 24 V DC, 20 A output. A three-phase 400-500 V AC nominal input supplies up to 480 W of DC load power. The permissible input range is 340-550 V AC.

01 TECHNICAL DATA

AC input topology	Three-phase
Nominal line band	400-500 V AC
Permissible line range	340-550 V AC
Input frequency	47-63 Hz
Rated output	24 V DC, 20 A
Maximum active output	480 W
Output adjustment	24-28 V within 480 W
Input demand	1.2 A at 400 V; 1 A at 500 V
Maximum inrush	36 A at 25 C
Minimum buffering	6 ms at 400 V

Siemens 6EP1436-2BA10 original product data, applicable source pages 1, 2, 3.

02 ADDITIONAL PRODUCT DATA

Maximum output ripple	150 mV
Output pulse capability	35 A for 100 ms
Typical efficiency	91%
Typical dissipation	47 W
DC-OK relay rating	60 V DC, 0.3 A, normally open

03 PRODUCT FUNCTION

The output adjusts from 24 to 28 V within the 480 W limit. A normally open DC-OK relay provides a 60 V DC, 0.3 A signal contact, and the output supports a 35 A pulse for 100 ms. Natural convection serves the IP20 DIN-rail enclosure.

04 SYSTEM COMPATIBILITY

Set the output within 24-28 V while keeping total load within 480 W. Wire the separate DC-OK contact within its 60 V DC / 0.3 A rating.

05 REFERENCE

Siemens 6EP1436-2BA10 original product data, applicable source pages 1, 2, 3.

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