SITOP PSU300B 24 V 17 A

# Product Data Sheet

## 6EP1436-3BA20

Seventeen-ampere three-phase power supply

| NOMINAL AC INPUT | PERMITTED LINE RANGE | SUPPLY FREQUENCY | NOMINAL DC OUTPUT |
|---|---|---|---|
| **400-500 V, three-phase** | **320-575 V AC** | **47-63 Hz** | **24 V, 17 A** |

Siemens 6EP1436-3BA20 is the SITOP PSU300B power supply with a nominal 24 V DC, 17 A output. It converts three-phase 400-500 V AC into a regulated isolated DC supply. Nominal output power is 408 W.

## 01 TECHNICAL DATA

| | |
|---|---|
| Nominal AC input | 400-500 V, three-phase |
| Permitted line range | 320-575 V AC |
| Supply frequency | 47-63 Hz |
| Nominal DC output | 24 V, 17 A |
| Rated active output | 408 W |
| Output adjustment | 24-28.8 V, 480 W maximum |
| Minimum mains buffering | 20 ms at 400 V |
| Input current | 1.2 A at 400 V; 1 A at 500 V |
| Maximum inrush | 18 A at 25 C |
| Maximum residual ripple | 100 mV peak-to-peak |

## 02 ADDITIONAL PRODUCT DATA

| | |
|---|---|
| Typical efficiency | 93% |
| Typical power loss | 31 W |
| Typical current limiting | 19 A |
| DC-OK relay contact | 60 V DC, 0.3 A, normally open |
| Parallel capability | 2 units with selected characteristic |

## 03 PRODUCT FUNCTION

The output voltage adjusts from 24 to 28.8 V within a maximum 480 W envelope. Typical efficiency is 93%, with approximately 31 W loss and a 19 A current limit. A DC-OK relay and selectable output characteristic support status signaling and two-unit parallel operation.

## 04 SYSTEM COMPATIBILITY

Set output voltage within 24-28.8 V and observe the 480 W envelope and ambient derating. Choose the required current-limit or shutdown characteristic.

## 05 REFERENCE

Siemens SITOP PSU300M/300B Manual C98130-A7574-A2-2-7629, November 2014; PSU300B 24 V / 17 A variant, connections and technical tables.

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