SITOP PSU300M

Product Data Sheet

6EP1456-3BA00

48 V 10 A Stabilized Power Supply

RATED AC SUPPLY	PERMISSIBLE SUPPLY RANGE	INPUT FREQUENCY	INPUT CURRENT AT 400 V
Three-phase 400 to 500 V	**320 to 575 V AC**	**47 to 63 Hz**	**1.2 A**

Siemens 6EP1456-3BA00 is the SITOP PSU300M stabilized power supply with a 48 V DC, 10 A output. Its three-phase 400 to 500 V AC rated input accepts a 320 to 575 V operating range at 47 to 63 Hz. The isolated regulated output is adjustable from 42 to 56 V while remaining within the 480 W power limit.

01 TECHNICAL DATA

Rated AC supply	Three-phase 400 to 500 V
Permissible supply range	320 to 575 V AC
Input frequency	47 to 63 Hz
Input current at 400 V	1.2 A
Maximum inrush current	18 A at 25 degrees C
Minimum power-failure buffering	15 ms at rated current and 400 V
Rated output voltage	48 V DC
Adjustable output voltage	42 to 56 V DC
Rated output current	10 A
Output current at 70 degrees C	7 A

Siemens SITOP PSU300M/300B Manual, C98130-A7574-A2-2-7629, November 2014; applicable 48 V/10 A pages.

02 ADDITIONAL PRODUCT DATA

Maximum output power	480 W
Maximum residual ripple	100 mV peak-to-peak
Typical short-time overload	23 A for 25 ms
Maximum parallel units	2
DC-OK contact rating	60 V DC / 0.3 A

03 PRODUCT FUNCTION

The supply provides a green 48 V OK indicator and a normally open DC-OK relay contact. Selectable output characteristics support the documented overload and parallel arrangements, with up to two units permitted for increased power. Its nominal 10 A output is reduced to 7 A at 70 degrees C, and installation must retain the required convection cooling space.

04 SYSTEM COMPATIBILITY

Set the output voltage within 42 to 56 V and evaluate load current against the 480 W maximum. Select the appropriate overload or parallel characteristic before applying the load. Two units may be connected for increased power only under the documented setting and wiring conditions.

05 REFERENCE

Siemens SITOP PSU300M/300B Manual, C98130-A7574-A2-2-7629, November 2014; applicable 48 V/10 A pages.

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