

6EP1333-4BA00

SIMATIC PM 1507 Load Power Supply

CONTROLLED ENGINEERING COPY

De-energize the AC feeder, confirm range selection and protective conductor, then verify 24 Vdc polarity, output loading and LED status before reconnecting PLC loads.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	6EP1333-4BA00
Manufacturer part	6EP1333-4BA00
Hardware type	Single-phase AC
System family	SIMATIC S7-1500 / ET 200MP Power Modules



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01 PRE-INSTALLATION PLAN

- 1

Verify the complete 6EP1333-4BA00 article number before installation.
- 2

Open and secure the upstream AC isolator before terminal work.
- 3

Confirm the 120/230 Vac feeder and recommended protective device.
- 4

Connect the protective conductor before energizing line and neutral.
- 5

Observe terminal polarity and conductor sizing on the 24 Vdc output.

MATCHED HARDWARE

- SIMATIC S7-1500 mounting rail
- 120/230 Vac protected feeder
- 24 Vdc load distribution
- protective-conductor connection

INSTALLATION CONTROL RECORD

CONTROL ITEM	REQUIRED RECORD
Identity	6EP1333-4BA00 / 6EP1333-4BA00 recorded
Physical interface	SIMATIC S7-1500 mounting rail
Companion check	120/230 Vac protected feeder
Functional proof	Converts 120/230 Vac mains power to stabilized 24 Vdc
Application test	S7-1500 control-cabinet load supply

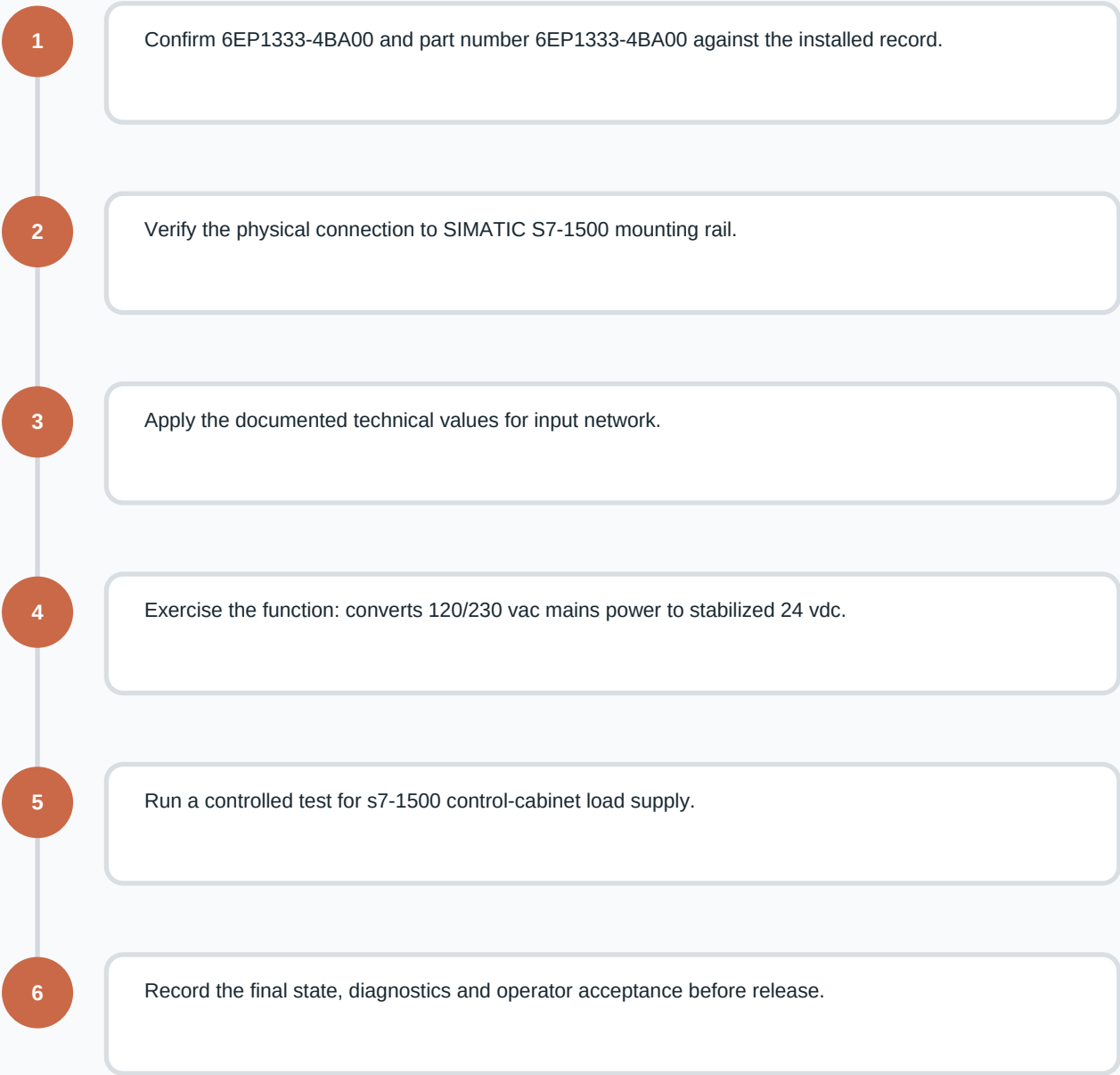
02 WIRING & INTERFACE CHECKS

CHECK ITEM	REQUIRED VALUE
Input network	Single-phase AC
Rated input voltage	120/230 Vac
Input voltage range 1	85 to 132 Vac
Input voltage range 2	170 to 264 Vac
Line frequency	45 to 65 Hz
Input current at 120 V	3.7 A
Input current at 230 V	1.7 A
Power-failure buffering	20 ms minimum at 93/187 V
Inrush current	62 A maximum at 25 degC
Inrush duration	3 ms maximum
Feeder protection	16 A characteristic B or 10 A characteristic C
Rated output voltage	24 Vdc
Rated output current	8 A
Rated output power	192 W

FIELD NOTE

De-energize the AC feeder, confirm range selection and protective conductor, then verify 24 Vdc polarity, output loading and LED status before reconnecting PLC loads.

03 COMMISSIONING WORKFLOW



COMMISSIONING ACCEPTANCE EVIDENCE

EVIDENCE ITEM	ACCEPTANCE CONDITION
Identity	6EP1333-4BA00 / 6EP1333-4BA00 recorded
Physical interface	SIMATIC S7-1500 mounting rail
Companion check	120/230 Vac protected feeder
Functional proof	Converts 120/230 Vac mains power to stabilized 24 Vdc
Application test	S7-1500 control-cabinet load supply

04 RETURN-TO-SERVICE RECORD

- ☐
- Check the connected load does not exceed the rated output current.
- ☐
- Energize without sensitive loads first and verify the device LED state and output voltage.
- ☐
- Reconnect PLC loads in a controlled sequence and confirm stable 24 Vdc under operation.
- ☐
- Confirm the intended process response before normal operation.

VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

FUNCTIONAL ACCEPTANCE CHECKLIST

- ☐
- Confirm 6EP1333-4BA00 remains assigned to the documented SIMATIC S7-1500 / ET 200MP Power Modules position.
- ☐
- Verify the connection to SIMATIC S7-1500 mounting rail and 120/230 Vac protected feeder.
- ☐
- Exercise the intended function: converts 120/230 vac mains power to stabilized 24 vdc.
- ☐
- Retain the diagnostic and functional-test result for s7-1500 control-cabinet load supply.

SOURCE IDENTIFIERS

SIMATIC PM 1507 Load Power Supply Manual
A5E31691095-AA

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