Siemens 505-6660B

Complete Product Information

Siemens 505-6660B is a SIMATIC 505 rack power supply with selectable AC input and a 60 W output rating.

01 Product role and installed system

The 505-6660B is the -B form of the SIMATIC 505 AC rack supply. Siemens uses the PPX:505-6660-B order notation in the system manual.

The 505-6660-A/B specification lists dual AC input ranges, 60 W rated output power, galvanic isolation and short-circuit protection.

The -B unit has its own 110 V / 220 V input selector arrangement. The site electrician must set the selector to the actual supply before energizing the rack.

The supply mates with the 505 backplane and is secured by top and bottom bezel screws. Rack loading and any redundancy arrangement must follow the installed system design.

Product family	SIMATIC 505 power supply
Manufacturer order form	PPX:505-6660-B
AC input range 1	85-132 V AC
AC input range 2	170-264 V AC

02 Technical capability map

Product family	SIMATIC 505 power supply
Manufacturer order form	PPX:505-6660-B
AC input range 1	85-132 V AC
AC input range 2	170-264 V AC
Rated output power	60 W
Galvanic isolation	Yes
Short-circuit protection	Yes
Redundant supply capability	Yes
Input selector	110 V / 220 V setting on -B execution

Scope of the published data

The Siemens 505-6660-A/B catalog data applies to the -B execution; selector detail comes from the separate SIMATIC 545/555/575 system manual.

03 Application and commissioning map

Applications

505 rack supply

Power a documented SIMATIC 505 base and module arrangement.

Redundancy review

Use a redundancy configuration only where the installed rack design supports it.

Service replacement

Keep the -B order identity and selector setting with the maintenance record.

Rack maintenance

Use the supply rating and selector marking to plan a controlled replacement in the installed SIMATIC 505 base.

Product precautions

Isolation

Remove AC input before handling the rack power supply.

Selector

Check the -B selector against the actual input range before energizing.

Mounting

Seat the backplane connection and tighten the bezel screws to the Siemens manual torque range.

Rack load

Confirm that connected modules remain within the 60 W supply output budget.

Redundancy

Apply only the rack-specific documented redundant supply wiring.

Final test

Check supply indicators and PLC behavior after the module is secured and the rack is energized.

04 Model-specific engineering questions

Which system uses 505-6660B?

It is a power-supply unit for the Siemens SIMATIC 505 rack family.

What are the AC input ranges for 505-6660B?

Siemens specifies 85-132 V AC and 170-264 V AC for the 505-6660-A/B power-supply execution.

What is the rated output power of 505-6660B?

The Siemens ST40 catalog gives 60 W for the 505-6660-A/B supply.

Does 505-6660B provide galvanic isolation?

Yes. The Siemens catalog marks galvanic isolation for the 505-6660-A/B power supply.

Does 505-6660B include short-circuit protection?

Yes. Siemens lists short-circuit protection for this supply execution.

Can 505-6660B be used in a redundant supply arrangement?

The Siemens catalog marks the 505-6660-A/B as redundant-capable; apply the rack’s documented wiring and redundancy scheme.

How is line voltage selected on 505-6660B?

The Siemens system manual shows a dedicated 110 V / 220 V selector arrangement for the -B version; set it before energizing.

What should be checked when installing 505-6660B?

Verify the input selection, supply isolation, backplane engagement and top/bottom bezel screw torque against the SIMATIC 505 manual.

05 Lifecycle, offered unit and sources

Lifecycle status

505-6660B: A current manufacturing phase for the complete -B supply is not established.

Support and replacement: Confirm current support and replacement guidance with Siemens for the complete PPX:505-6660-B marking and installed rack.

Availability: Apter Power supply availability is confirmed separately from manufacturer lifecycle status.

Available unit details

Offered reference: Siemens 505-6660B. Condition: New, original product.

Identity check: The Siemens 505-6660-A/B catalog data applies to the -B execution; selector detail comes from the separate SIMATIC 545/555/575 system manual.

Included items: Confirm the supply module and any rack wiring or redundancy accessories in the quotation.

Technical reference

Siemens SIMATIC 505 ST40 Catalog; SIMATIC 545/555/575 System Manual, PPX:505-8201-3

Related catalog references

Portfolio navigation only. Verify every proposed configuration separately.

- **Siemens TI435-CPU**
- **Siemens TI-405-8ADC-1**
- **Siemens TI-405-8ADC**

Discuss the complete reference

Siemens 505-6660B

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