

APTER POWER PRODUCT MANUAL

6ES7407-0RA02-0AA0

SIMATIC S7-400 PS 407 Power Supply

The Siemens 6ES7407-0RA02-0AA0 is a SIMATIC S7-400 PS 407 wide-range power-supply module rated for UC 120/230 V input and 5 V DC, 20 A output to the S7-400 backplane.

It converts the documented mains input to the regulated backplane supply used by the installed S7-400 CPU and modules, providing the station power budget required by the engineered rack configuration.

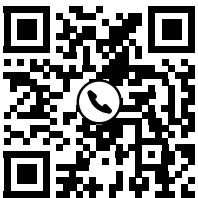
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

A verified 20-amp foundation for the S7-400 backplane.

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SCAN FOR PRODUCT & QUOTE
6ES7407-0RA02-0AA0

1. Product Overview and Identity

The Siemens 6ES7407-0RA02-0AA0 is a SIMATIC S7-400 PS 407 wide-range power-supply module rated for UC 120/230 V input and 5 V DC, 20 A output to the S7-400 backplane.

It converts the documented mains input to the regulated backplane supply used by the installed S7-400 CPU and modules, providing the station power budget required by the engineered rack configuration.

Model Configuration

Field	Verified information
Complete model	6ES7407-0RA02-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-400 PS 407 Power Supply

Key Features

- Exact Siemens MLFB 6ES7407-0RA02-0AA0
- SIMATIC S7-400 PS 407 Power Supply
- 20 A
- SIMATIC S7-400 AC-powered station
- Model-specific lifecycle and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Product type	PS 407 power supply
Input	UC 120/230 V wide range
Output	5 V DC
Output current	20 A
Siemens net weight	1.402 kg
Siemens packaging dimensions	23.30 × 29.50 × 6.30 cm
Country of origin	Germany
Lifecycle	PM300 active product

Verification Note

Use the complete 6ES7407-0RA02-0AA0 identifier. Siemens lists 6ES7407-0RA02-0AA0 as a PM300 active product. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- It converts the documented mains input to the regulated backplane supply used by the installed S7-400 CPU and modules, providing the station power budget required by the engineered rack configuration.
- Maintains the documented SIMATIC S7-400 AC-powered station role for this complete Siemens article number.
- Provides a verified reference for configuration, commissioning, diagnostics, and lifecycle planning.

Application Areas

Application	System role
S7-400 station power	Supplies the 5 V DC backplane for CPU and module operation
Industrial control cabinets	Accepts the documented UC 120/230 V wide-range input
High module-load racks	Provides up to 20 A where the verified backplane budget requires it
Installed-base replacements	Restores the exact PS 407 electrical role after identity and load checks

Compatible Components

- SIMATIC S7-400 racks that accept the PS 407 family
- S7-400 CPUs and modules whose combined backplane load stays within the engineered budget
- Specified mains protection, disconnect, and protective-conductor wiring
- Redundant or single power architecture only as permitted by the rack and project

Lifecycle Status

Siemens lists 6ES7407-0RA02-0AA0 as a PM300 active product.

4. Installation Precautions

- Input isolation: Lock out and verify absence of voltage before wiring or removal
- Voltage selection: Follow the Siemens input wiring and protection instructions for the actual supply
- Load budget: Calculate the complete rack current and inrush requirements before installation
- Grounding: Connect protective earth and cabinet bonding exactly as specified
- Startup: Check output status, rack diagnostics, and module behavior before enabling the process

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall product detail for complete article number 6ES7407-0RA02-0AA0:
<https://mall.industry.siemens.com/mall/gb/EN/Catalog/Product/?mlfb=6ES7407-0RA02-0AA0>

Apter Power product page

<https://www.apterpower.com/Siemens/6es7407-0ra02-0aa0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

ASK FOR QUOTE

For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.