

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Siemens 6ES7507-0RA00-0AB0

SIMATIC S7-1500 PS 60W 120/230V AC/DC



BACKPLANE INFEED	AC INPUT RANGE	DC INPUT RANGE	BODY WIDTH
60 W	85-264 V	88-300 V	70 mm

Siemens 6ES7507-0RA00-0AB0 is the SIMATIC S7-1500 PS 60W 120/230V AC/DC system power supply. It provides up to 60 W to the backplane bus and accepts 85 to 264 V AC or 88 to 300 V DC within the limits in its equipment manual.

01

VERIFIED PRODUCT PARAMETERS

Nominal supply voltages	120 or 230 V AC/DC
Permissible AC input	85 to 264 V AC
Permissible DC input	88 to 300 V DC
Permissible mains frequency	47 to 63 Hz
Rated input current	120 V AC/DC: 0.6 A; 230 V AC: 0.34 A; 230 V DC: 0.3 A
Backplane power infeed	60 W
Rated power loss	12 W
Power-failure backup time	20 ms
Isolation routine-test rating	2500 V DC for 2 s; primary/secondary isolated
Protective enclosure and class	IP20; Class I with protective conductor

Technical values were verified against Siemens A5E31826073-AB, 11/2020; system manual A5E03461182-AN, 11/2025 and the Siemens Industry Mall record for the exact article number.

02 MECHANICAL AND LIFECYCLE DATA

Dimensions (W x H x D)	70 x 147 x 129 mm
Weight (official equipment manual)	Approx. 0.60 kg
Country of origin	Germany
Lifecycle at verification	PM300 Active Product

03 SYSTEM ROLE AND APPLICATIONS

The module supports additional station modules, electrical isolation to the bus, configurable diagnostics and identification data. Engineer the incoming AC or DC supply and the required power segments separately from field-load circuits; the 60 W rating is the system backplane infeed, not a general-purpose external load output.

- AC-fed control: provide engineered backplane infeed from a compatible 120 or 230 V AC source.
- DC-fed cabinets: apply the exact high-voltage DC input limits rather than low-voltage DC supply ratings.
- Diagnostic response: integrate supported supply events with the engineered CPU diagnostic-interrupt path.

04 OFFICIAL INSTALLATION FACTS

- Establish the station safe state and isolate incoming AC/DC power before handling the coded connector.
- Match the actual source to the AC or DC input limits and calculate the power required by the connected segment.
- Use flexible 1.5 mm² (AWG 16) conductors; the specified 3-core sheathed cable diameter must not exceed 8.5 mm.
- Follow the official L, N and protective-conductor diagram; keep the protective conductor longer than the other two.

05 OFFICIAL DOCUMENTATION

Siemens A5E31826073-AB, 11/2020; system manual A5E03461182-AN, 11/2025