

APTER POWER PRODUCT MANUAL

6ES7288-5BA01-0AA0

SIMATIC S7-200 SMART SB BA01 Battery Board

The Siemens 6ES7288-5BA01-0AA0 is a SIMATIC S7-200 SMART SB BA01 Battery Board that provides compact battery-board support for the CPU real-time clock.

In an S7-200 SMART automation station, it supports the real-time clock of a compatible S7-200 SMART CPU through the documented battery-board interface. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in time-stamped machine events, scheduled operations, maintenance clocks, and retained calendar functions.

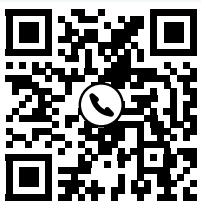
Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Clock support in one board. Compact fit. Verified BA01 identity.

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SCAN FOR PRODUCT & QUOTE
6ES7288-5BA01-0AA0

1. Product Overview and Identity

The Siemens 6ES7288-5BA01-0AA0 is a SIMATIC S7-200 SMART SB BA01 Battery Board that provides compact battery-board support for the CPU real-time clock.

In an S7-200 SMART automation station, it supports the real-time clock of a compatible S7-200 SMART CPU through the documented battery-board interface. It works with the exact CPU, expansion-bus or signal-board interface, wiring, field devices, and project configuration specified for the complete article number. It is applied in time-stamped machine events, scheduled operations, maintenance clocks, and retained calendar functions.

Model Configuration

Field	Verified information
Complete model	6ES7288-5BA01-0AA0
Manufacturer	Siemens
Product description	SIMATIC S7-200 SMART SB BA01 Battery Board

Key Features

- Exact Siemens MLFB 6ES7288-5BA01-0AA0
- SIMATIC S7-200 SMART SB BA01 Battery Board
- Battery board for supported real-time-clock backup
- Installed in a compatible S7-200 SMART CPU signal-board slot
- 35 x 52.2 x 16 mm
- 0.02 kg approximate device weight

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	SIMATIC S7-200 SMART SB BA01 Battery Board
Complete article number	6ES7288-5BA01-0AA0
System	SIMATIC S7-200 SMART
Primary function	compact battery-board support for the CPU real-time clock
Signal configuration	Battery board for supported real-time-clock backup
Supply / host interface	Installed in a compatible S7-200 SMART CPU signal-board slot
Product type designation	Battery board
Primary supported function	Real-time clock
Installation interface	Compatible S7-200 SMART CPU signal-board slot
Published I/O channels	None
Published external field supply	Not stated in the cited Siemens product record
Degree of protection	IP20
Device dimensions	35 x 52.2 x 16 mm (W x H x D)
Approximate device weight	0.02 kg
Country of origin	Germany
Lifecycle	The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

Verification Note

Use the complete 6ES7288-5BA01-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- Supports the real-time clock of a compatible S7-200 SMART CPU through the documented battery-board interface.
- Maintains the documented SB BA01 function for the complete 6ES7288-5BA01-0AA0 article number.
- Provides a model-specific basis for wiring, configuration, commissioning, diagnostics, and replacement verification.

Application Areas

Application	System role
Real-time-clock support	Supports the compatible CPU clock through the documented battery-board interface
Time-based automation	Helps retain the clock basis used by scheduled machine functions
Event chronology	Supports time-stamped events where the CPU program and clock configuration provide that function
Maintenance timing	Applies to time-stamped machine events, scheduled operations, maintenance clocks, and retained calendar functions after CPU compatibility is verified

Compatible Components

- S7-200 SMART CPU whose documentation explicitly supports 6ES7288-5BA01-0AA0
- Compatible CPU signal-board slot, cover, connector, and mechanical arrangement
- STEP 7 Micro/WIN SMART hardware configuration and firmware matched to the exact CPU and board
- Clock configuration and battery handling procedure stated in current Siemens documentation

Lifecycle Status

The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation.

4. Installation Precautions

- Identity: Match every character of 6ES7288-5BA01-0AA0 and the SB BA01 marking to the physical nameplate and project
- Host: Verify that the exact CPU and firmware support 6ES7288-5BA01-0AA0 before fitting the board
- Battery handling: Follow current Siemens polarity, replacement, storage, transport, and disposal instructions; do not infer a battery type from appearance
- Installation: De-energize the CPU, use the documented signal-board slot and orientation, and refit all covers before service
- Commissioning: Set and verify the CPU clock, confirm the required backup behavior, and document the service date

STOP - Verify before installation

Use the complete 6ES7288-5BA01-0AA0 identifier. The exact article number is documented in current Siemens technical data and product records; confirm regional ordering availability at quotation. Values not published in the cited Siemens sources are intentionally not inferred.

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

5. Official Source and Use Notice

Official source

Siemens official technical data sheet or product record for 6ES7288-5BA01-0AA0: <https://support.industry.siemens.com/teddatasheet/?caller=SIOS&format=pdf&language=en&mlfbs=6ES7288-5BA01-0AA0>; Siemens official system manual used for model-specific installation and compatibility context:

https://support.industry.siemens.com/cs/attachments/109745610/s7-200_SMART_system_manual_en-US.pdf

Apter Power product page

<https://www.apterpower.com/Siemens/6es7288-5ba01-0aa0>

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.