SIEMENS PRODUCT REFERENCE

# 6ES7288-5BA01-0AA0

Siemens SIMATIC S7-200 SMART SB BA01 Battery Board

SIMATIC S7-200 SMART battery board designed to support the controller real-time clock.

## Configuration at a glance

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|---|---|
| FUNCTION<br>**RTC support** | MODULE SIZE<br>**35 x 52.2 x 16 mm** |
| WEIGHT<br>**Approx. 20 g** | LIFECYCLE<br>**Active Product** |

## Technical data for the exact article

| SPECIFICATION | VERIFIED ARTICLE DATA |
|---|---|
| Article number | 6ES7288-5BA01-0AA0 |
| Product designation | Battery board |
| System family | SIMATIC S7-200 SMART |
| Primary function | Supports the real-time clock |
| Width | 35 mm |
| Height | 52.2 mm |
| Depth | 16 mm |
| Approximate product weight | 20 g |
| Current Siemens lifecycle | Active Product |
| Official approvals listed | EU and UK declarations, China RoHS, EAC |

## Application guidance

### Time-stamped machine events

Helps an S7-200 SMART installation maintain useful real-time-clock operation when the application depends on time records.

### Batch and shift records

Supports controller projects that associate process data with calendar time.

### Maintenance logging

Useful where service events or operating-hour records must be correlated with the controller clock.

### Panel retrofit work

A compact accessory for a verified S7-200 SMART CPU configuration that requires RTC support.

## Engineering verification notes

### Compatibility first

Confirm that the exact CPU and hardware revision accepts the S7-200 SMART battery board before installation.

### Clock support scope

The board supports real-time-clock operation; it is not a substitute for program-memory backup or an external uninterruptible power supply.

## Questions engineers commonly ask

### What function does Siemens 6ES7288-5BA01-0AA0 provide?

It is the SIMATIC S7-200 SMART battery board used to support real-time-clock operation in a compatible controller configuration.

### Which controller details should be checked before fitting the SB BA01?

Check the complete CPU order number, hardware version, available signal-board position and the applicable S7-200 SMART system manual. Do not assume that every CPU revision accepts the same accessory.

### Does the battery board retain the PLC user program?

Siemens identifies this accessory for real-time-clock support. Program and project retention must be assessed separately according to the CPU memory design; the board should not be treated as general program backup.

### Can the 6ES7288-5BA01-0AA0 replace an external UPS?

No. It is a small RTC-support accessory and does not provide panel-level ride-through power for the CPU, I/O modules, sensors or actuators.

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| DOCUMENT STATUS | Prepared by Moore Automation from the Siemens product records identified as Siemens SiePortal product page, Siemens official technical data. This independent reference is not a Siemens-issued manual and does not replace the current manufacturer documentation for installation, wiring, safety or certification. |

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Before ordering, match the complete article number, hardware version, firmware, electrical design, wiring and application.