AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

Siemens 6ES7288-5BA01-0AA0

SB BA01 Battery Backup Board

MODULE	PURPOSE	BATTERY	CPU FIRMWARE
SB BA01	**RTC backup**	**CR1025 separate**	**V2.0 or later**

The Siemens 6ES7288-5BA01-0AA0 SB BA01 is a battery board for extended real-time-clock backup in supported S7-200 SMART CPUs. It fits the signal-board position on CPUs with firmware V2.0 or later. Siemens supplies the board without the separately purchased CR1025 cell.

01 VERIFIED TECHNICAL INFORMATION

Backup function	Extended real-time-clock backup
CPU applicability	Compatible S7-200 SMART CPU with firmware V2.0 or later; compact CRs excluded
Mounting interface	CPU signal-board slot
Required battery type	CR1025; battery not included with board
Battery nominal voltage / capacity	3 V / 30 mAh
Hold-up reference	Approximately 1 year; not a guaranteed service interval
Critical battery threshold	Below 2.5 V

Manufacturer evidence: S7-200 SMART System Manual; exact-model manual section.

02 TECHNICAL INFORMATION CONTINUED

Local low-battery indication	Red board LED continuously on
Battery status encoding	0 = Battery OK; 1 = Battery low
Battery status refresh	At power-up, then once daily while CPU is in RUN
Additional diagnostic reporting	Diagnostic alarm and/or battery-low status; configure board in CPU project
Board power dissipation	0.6 W
5 V DC current	18 mA

03 SOURCE AND CONFIGURATION CHECKS

A specified 3 V, 30 mAh CR1025 cell provides an approximate one-year hold-up reference. Low-voltage indication and configurable reporting support battery monitoring. The status bit updates at power-up and once daily in RUN; this documented function concerns clock retention, not a general program-memory battery.

Packed dimensions and supplied-unit origin must be checked against the actual delivery. No verified gross shipping weight is inferred from module net mass.

Siemens original documentation and product reference

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN

AMIKONG.COM