

ABB - AC 800M

SB822 3BSE018172R1

AC 800M Rechargeable Battery Unit

Verified product identity

ABB SB822 3BSE018172R1 is a DIN-rail rechargeable lithium-ion battery unit that provides memory backup for supported AC 800M processor units.

Verified specifications

Manufacturer	ABB
Article number	3BSE018172R1
Product designation	SB822
Product family	AC 800M
Product type	Rechargeable battery unit
Battery chemistry	Lithium-ion
Rated battery voltage	3.75 V
Rated capacity	2.4 Ah
Included connection cable	TK821V020

APTER POWER

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Additional verified specifications

Mounting	External DIN rail
Ambient operating temperature	0 to 55°C
Protection class	IP20
Corrosion protection	ISA-S71.04 G2
Pollution degree	2
Dimensions (W × H × D)	8.58 × 13.6 × 5.85 cm, including hatch
Product weight	0.55 kg

Selection and installation guidance

- Confirm that the installed PM8xx processor is listed for SB822 backup
- Use the processor-specific minimum backup time when planning an outage
- Do not substitute SB821 backup-time expectations for the rechargeable SB822
- Mount the complete unit on DIN rail with ventilation and service access
- Use the included TK821V020 cable without unapproved extensions or repairs
- Keep the unit within the documented 0 to 55°C operating range
- Fully charge the unit before relying on the published minimum backup time
- Investigate falling backup time before a planned controller shutdown
- Handle storage, transport and replacement under the site lithium-battery procedure

Documented applications

- Memory backup for AC 800M PM851, PM856 and PM860 processor installations
- Memory backup for AC 800M PM861, PM864, PM865 and PM866 processor installations
- Memory backup for AC 800M PM858, PM862, PM866A, PM867 and PM891 processor installations

Evidence boundary

ABB publishes 8.58 × 13.6 × 5.85 cm including the hatch and 0.55 kg for the SB822 product; the values are not package dimensions or package weight.