

SB522V1 3BSC760015R1

Exact-identity installation and commissioning guide

PRODUCT SCOPE

ABB SB522V1 3BSC760015R1 is a rechargeable 12 V, 4 Ah NiMH battery unit for AC400 systems. It fits SB510 and SB511 assemblies and supplies backup current for RAM retention.

Verified installation basis

ABB product ID	3BSC760015R1
ABB type	SB522V1 NIMH 12, 4Ah
Product function	Rechargeable backup battery unit
System family	AC400
Battery chemistry	Nickel-metal hydride (NiMH)
Nominal voltage	12 V
Rated capacity	4 Ah

Verified related ApterPower product pages

ABB DI811

ABB TU831V1

Pre-work control

Record the installed system before any disconnection

Required checks

- Record the complete SB522V1 and 3BSC760015R1 markings before work.
- Place the AC400 system and affected RAM-backed function in the approved maintenance state.
- Confirm whether the installed host is SB510 or SB511 before replacement.
- Inspect the battery, leads, connector and charger path for damage or contamination.
- Use only the approved charger arrangement and observe battery polarity.
- Do not bypass the internal fuse or substitute an unapproved battery chemistry.

HOLD POINT

Confirm the complete SB522V1 3BSC760015R1 marking, AC400 host, SB510 or SB511 fit and approved charger arrangement before replacement.

Evidence to retain

- Complete product and installed-unit marking.
- Approved project, wiring and cabinet records.
- As-found connector, cable, address and diagnostic state.
- Acceptance plan and final results.

Verified related ApterPower product pages

[ABB DSBC174](#)

[ABB SR511](#)

Installation sequence

Use the approved manufacturer procedure and site work controls

1 IDENTIFY

Record the complete SB522V1 and 3BSC760015R1 markings before work.

2 ISOLATE

Place the AC400 system and affected RAM-backed function in the approved maintenance state.

3 RECORD

Confirm whether the installed host is SB510 or SB511 before replacement.

4 VERIFY

Inspect the battery, leads, connector and charger path for damage or contamination.

5 INSTALL

Use only the approved charger arrangement and observe battery polarity.

6 RESTORE

Do not bypass the internal fuse or substitute an unapproved battery chemistry.

CONFIGURATION CONTROL

ABB identifies 3BSC760015R1 as the SB522V1 NIMH 12, 4Ah battery unit used in AC400 systems. The battery is charged and discharged through the approved charger arrangement and incorporates a 3.4 A internal fuse. Spare units in storage require periodic charging with the specified SB518 charger according to the manufacturer's maintenance guidance.

Verified related ApterPower product pages

[ABB 07DI92](#)

[ABB 07KT92](#)

Commissioning and acceptance

Return each affected function to its approved state

Identity	Record the complete SB522V1 and 3BSC760015R1 markings before work.
Configuration	Do not bypass the internal fuse or substitute an unapproved battery chemistry.
Physical installation	Restore power and verify charging status and retained-memory behavior.
Functional acceptance	Record the installation date, maintenance interval and final acceptance results.
Diagnostics	Confirm that no unexplained product, communication or system diagnostic remains.
Release record	Document the final configuration, observed states, test results and responsible technician.

Verified related ApterPower product pages

ABB 07KR91	ABB 07KP90
ABB 07EB62R1	ABB 07KP60R101

Handover record

Traceable evidence for the installed product

Final acceptance

- Use only the approved charger arrangement and observe battery polarity.
- Do not bypass the internal fuse or substitute an unapproved battery chemistry.
- Restore power and verify charging status and retained-memory behavior.
- Record the installation date, maintenance interval and final acceptance results.

Manufacturer evidence used

- ABB official product record for 3BSC760015R1 / SB522V1 NIMH 12, 4Ah.

Verified related ApterPower product pages

ABB 07NG61R1

ABB 07PS62R2

Talk to Apter Power

WHATSAPP / PHONE +86 180 3023 5313

EMAIL sales13@apterpower.com

WEBSITE www.apterpower.com

