

SB522V1 3BSC760015R1

Battery Unit

PUBLISHED IDENTITY

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.

Technical snapshot

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
Compatible assemblies	SB510 and SB511

Verified related ApterPower product pages

ABB DI811

ABB TU831V1

Engineering data

Official evidence organized for exact-model review

ABB product ID	3BSC760015R1	Rated capacity	4 Ah
ABB type	SB522V1 NIMH 12, 4Ah	Compatible assemblies	SB510 and SB511
Product function	Rechargeable backup battery unit	Backup role	RAM backup current supply
System family	AC400	Internal fuse	3.4 A
Battery chemistry	Nickel-metal hydride (NiMH)	Storage maintenance	Recharge spare units every six months
Nominal voltage	12 V	Specified spare charger	SB518, product ID 3BSC610071R1

EVIDENCE BOUNDARY

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

Applications and system role

Four distinct documented operating contexts

AC400 MEMORY BACKUP

Backup current supply for RAM retention in an approved AC400 system configuration.

SB510 ASSEMBLIES

Rechargeable battery support where the installed AC400 assembly is documented for SB510.

SB511 ASSEMBLIES

Like-for-like battery service where SB511 and the charger path are confirmed.

CONTROLLED SPARE STORAGE

Maintained spare inventory recharged every six months with the specified SB518 charger.

Integration 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 DSBC174](#)

[ABB SR511](#)

Technical questions

Complete model-specific answers from the approved evidence set

What is ABB SB522V1 3BSC760015R1?

ABB SB522V1 3BSC760015R1 is a rechargeable 12 V, 4 Ah NiMH battery unit for AC400 systems.

What function does 3BSC760015R1 support?

The 3BSC760015R1 battery unit supplies backup current for RAM retention in the approved AC400 configuration.

Which fuse is built into the ABB battery unit?

The ABB battery unit incorporates a 3.4 A internal fuse.

Which charger is specified for stored 3BSC760015R1 units?

ABB specifies the SB518 charger, product ID 3BSC610071R1, for periodic charging of stored 3BSC760015R1 units.

Which assemblies accept the SB522V1 battery unit?

The SB522V1 battery unit fits the ABB SB510 and SB511 assemblies.

How is the SB522V1 charged during service?

The SB522V1 is charged and discharged through the approved battery-charger arrangement in the installed system.

How often should stored SB522V1 spares be recharged?

ABB instructs users to recharge stored SB522V1 spare units every six months.

What must be checked after SB522V1 replacement?

The technician must verify charging status, retained-memory behavior and the documented installation record after replacing SB522V1.

Product precautions

Eight aligned controls before return to service

1

Record the complete SB522V1 and 3BSC760015R1 markings before work.

2

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

3

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

4

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

5

Use only the approved charger arrangement and observe battery polarity.

6

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

7

Restore power and verify charging status and retained-memory behavior.

8

Record the installation date, maintenance interval and final acceptance results.

Verified related ApterPower product pages

[ABB 07DI92](#)

[ABB 07KT92](#)

[ABB 07KR91](#)

[ABB 07KP90](#)

Evidence and support

Manufacturer references, related products and direct contact

Manufacturer evidence used

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

Verified related ApterPower product pages

ABB 07EB62R1

ABB 07KP60R101

ABB 07NG61R1

ABB 07PS62R2

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