ABB SA610 3BHT300019R1

Control System Power Supply Module

ABB SA610 3BHT300019R1 is a control-system power supply for AC110, AC160 and MasterPiece 90 installations, with documented AC or DC input selections and a 24 V DC output.

Sourcing Support | 12-Month Warranty

Product summary

Manufacturer part number	SA610 3BHT300019R1
Shipping	Swift global dispatch
Condition	New, original product
Shipping size (est.)	4cm x 26cm x 27.2cm
Country of Origin	Sweden
Manufacturer	ABB
Product Category	DCS Systems
Spare Part Number	SA610 3BHT300019R1
Weight	1.66 kg
Tariff code	850440

Buyer information / Overview

The input selection must be matched to the installed source and unit connection drawing. The set of AC and DC values is not an unrestricted continuous input range and does not authorize an arbitrary terminal connection.

Legacy controller supply

The module supports the documented AC110, AC160 and MasterPiece 90 power role.

Selectable source context

AC and DC supply choices require different source verification.

Bounded output duty

Connected control loads must remain within the documented output power budget.

SA610 supplies the control-power duty of the documented controller installations. Confirm the controller power arrangement, connector assignment and input source before selecting the module; the similar appearance of a mains supply does not establish that it belongs to the same controller interface.

The technical information identifies discrete AC and DC input selections. Verify the actual available source and the receiving unit connection diagram before wiring. Do not describe the lowest and highest listed inputs as a universal range or infer automatic selection, tolerance or frequency limits from the list.

The 24 V DC output has a specified power limit. Review the total connected demand and the approved starting behavior of the control installation, then measure the output at the receiving load. A no-load voltage check alone does not demonstrate that the restored controller supply is accepted.

Controller platform reference: AC110 / AC160 / MasterPiece 90 power. Retain the documented ABB configuration.

Technical Specifications

AC input selections	110 / 120 / 220 / 240 V AC
DC input selections	110 / 220 / 250 V DC
Rated DC output	24 V DC
Rated output power	60 W

Technical source: ABB product technical information for SA610, 3BHT300019R1. Input selections and output rating are the SA610 product technical data. The listed AC and DC values are alternative documented supply selections; terminal selection and protection must follow the installed unit drawing. Supplied shipping measurements are separate from manufacturer net dimensions.
Apter Power product summary. A technical reference and field guide are available in Downloads.

Applications / Compatibility

Use SA610 for its documented AC110, AC160 or MasterPiece 90 control-power role, with the correct receiving power connection.

Choose the AC or DC input arrangement from the actual source and unit drawing. No undocumented automatic-range or redundancy function is assumed.

AC110 control power

Compare the existing SA610 position and controller power connection. Retain the installed source selection before reconnecting the control load.

AC160 supply restoration

Verify the receiving supply interface and connected demand against the SA610 rating. Check output at the controller after the approved startup sequence.

MasterPiece 90 maintenance
Match the retained controller power arrangement and full 3BHT identity. Do not select another legacy supply solely by output voltage.

AC or DC source choice
Identify the actual source type and selected nominal value. Follow the installed connection drawing rather than treating the complete input list as one continuous range.

Product Precautions

Prepare ABB SA610 3BHT300019R1 using the following checks for its documented interface and system duty.

Identify source type
Distinguish AC and DC before wiring any input terminal.

Verify nominal selection
Match the listed source selection to the actual installed diagram.

Review the load budget
Compare the connected demand with the 60 W output rating.

Preserve the controller interface
Record connector and return assignments before removing the original module.

Inspect power connections
Check retention, insulation and signs of connection heating.

Test at the receiving load
Observe controller startup and output behavior under the approved operating condition.

Lifecycle Status

A factory lifecycle phase for SA610 3BHT300019R1 is unconfirmed. The documented controller contexts are AC110, AC160 and MasterPiece 90.

A candidate supply must preserve the installed controller connection, actual AC or DC source selection and the output power duty. A matching 24 V label alone does not establish that fit.

The SA610 module is separate from the upstream source, external protective devices and controller loads supplied by the installation.

Available Unit Details

Offered reference	ABB SA610 3BHT300019R1
Identity check	Request the complete SA610/3BHT marking, unit connection diagram and readable input-selection and output labels.
Physical review	The power module is separate from the receiving controller unless itemized. Source selection and loaded controller startup need checking on the installed circuit; no universal input auto-selection or completed load test is claimed.
Included items	one control-system supply; wiring, protection and controller equipment separately identified

Request available-unit photos and details: sales13@apterpower.com

Technical notes

Discrete selections	The listed input values do not establish a continuous input range or automatic selection.
Output budget	The power limit applies to the connected supply duty, not merely the measured no-load voltage.
Power-to-current calculation	60 W divided by 24 V gives a 2.5 A nominal DC equivalent for demand review. This calculation is not an independently published current rating, startup allowance or overload curve.

Alternative Names

ABB SA610 3BHT300019R1

Frequently Asked Questions (FAQ)

1. Does SA610 3BHT300019R1 automatically accept every voltage between the lowest and highest listed inputs?

That behavior is not established. The product information gives discrete AC and DC selections. Verify the actual unit connection diagram and source selection before wiring.

2. Can any 24 V supply replace SA610 3BHT300019R1 in an AC160 installation?

No direct interchange is established by the output voltage alone. Compare the receiving controller interface, input arrangement, output budget and installation requirements.

3. How should an AC source be distinguished from a DC source when selecting SA610 3BHT300019R1?

Identify source type and nominal value from the installation record and confirm them by the approved measurement method. Do not apply an AC terminal assumption to a listed DC selection.

4. Why is a no-load voltage check insufficient for accepting SA610 3BHT300019R1?

The installed load must be supported within the rated power duty. Verify output at the receiving controller and observe the approved startup and operating behavior.

5. Can the input-selection list of SA610 3BHT300019R1 be used to infer a frequency or voltage tolerance?

No. Those limits are not established by the nominal selections. Use the actual unit drawing and applicable equipment specifications for the installation.

6. What should be reviewed before adding another load to SA610 3BHT300019R1?

Recalculate the connected power demand and review the approved starting behavior and wiring/protection arrangement. The presence of a 24 V output does not establish unused capacity.

7. How can the 60 W rating help review connected demand on SA610 3BHT300019R1?

At the nominal 24 V output, 60 W / 24 V = 2.5 A is a calculated steady-state DC equivalent. Compare the connected power demand with 60 W, then assess startup separately; this calculation establishes neither a transient allowance nor an overload curve.

8. What distinguishes source-selection trouble from a voltage drop after fitting SA610 3BHT300019R1?

Verify the actual AC/DC source and the unit's selected input arrangement first. Then compare the supply output with voltage at the receiving controller during the approved startup; the difference helps locate a distribution/return problem rather than attributing every failed start to the converter.

Downloads

The technical reference covers AC110 / AC160 / MasterPiece 90 power. The independent field guide develops input selection and controller-load acceptance.

SA610 3BHT300019R1 Technical Reference	Apter Power technical reference covering the documented product data and their application boundaries. PDF · 1 pages · 88.6 KB.
SA610 3BHT300019R1 Installation & Commissioning Guide	Input Selection and Controller-Load Acceptance. Resolve the actual source and controller connection first, then verify the supply under the load that the installation requires. PDF · 2 pages · 92.2 KB.

Apter Power technical reference and a separate installation guide support this product.

What happens after you enquire

Review your reference	Send the full marking, quantity and label photos. We review the item and any version details that need clarification.
Confirm the offer	Check the quoted reference, condition, included items and expected dispatch date before approving your order.
Arrange dispatch	Confirm delivery details and receive the tracking number when it becomes available.

Ordering checks

Include SA610 3BHT300019R1 and every revision or approval marking visible on the item. Keep the exact reference on your enquiry and quotation.

Request available label and interface photos. Have your maintenance team compare the offered SA610 3BHT300019R1 reference with the installed equipment and applicable ABB documentation.

Service and support

Dispatch Planning	Confirm stock and lead time with our team.
Dedicated Manager	Personalized one-to-one VIP service
ISO 9001:2015 Certified	Trusted quality management
Warranty Policy	Review the applicable warranty coverage and claim process.
Return Notice	Check the return process and obtain approval before sending an item back.
Shipping Method	Review shipping arrangements, transit estimates and delivery responsibilities.
Parts Availability	Browse stock listings and confirm current availability with our team.
How to order	See how to submit an enquiry, review a quotation and confirm an order.

Discuss your requirement

Send the full marking, label photos, quantity and required date. Our team will review the available sourcing options with you.

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Related product references

Separate supply references; listing does not establish interchangeability.

ABB 07EA61R1 GJV3074351R1	Isolated Analog Current Input Module; separate supply reference
ABB XO08R1 XOO8R1-B04 1SBP260101R1001	Digital Relay Output Extension Module; separate supply reference

Discuss SA610 3BHT300019R1 and the installed application with Apter Power.
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