ABB SA610 3BHT300019R1

Control System Power Supply Module

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.

Before You Order

Input source	State whether the existing source is AC or DC and give its selected nominal value.
Controller context	Identify AC110, AC160 or MasterPiece 90 and the receiving power interface.
Load record	Collect connected-load demand and the accepted startup behavior.

The installed relationship

Source decision	Actual source type and nominal selection -> approved input connection
Conversion boundary	SA610 -> specified DC output and power limit
Receiving proof	Connector/return path -> controller startup and loaded operating condition

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.

AC110 / AC160 / MasterPiece 90 power — restoration sequence

1 Identify the controller connection	Record the AC110, AC160 or MasterPiece 90 receiving arrangement.
2 Confirm source type	Distinguish AC from DC and match the unit's connection diagram and discrete nominal selection.
3 Review connected power	List the actual 24 V loads and compare their combined demand with the documented 60 W output.
4 Restore the approved feed and return	Preserve the controller-side connection and protection without assuming a generic power-supply pinout.
5 Measure at both ends	Compare supply output and receiving-controller voltage under the permitted startup/operating duty.
6 Accept controller operation	Record successful approved startup with the source selection and loaded observation, not only no-load voltage.

Diagnostic checkpoints

Voltage correct with the load removed

Review connected demand and the load/return path before declaring the supply accepted.

Replacement input arrangement unclear

Resolve the unit drawing and source selection before energizing.

Controller does not start

Check source, output under load and receiving connector integrity as separate conditions.

Close the model-specific checks

Source proof	Input type, selection and connection agree with the installed drawing.
Power proof	Connected duty is within the documented supply rating.
Controller proof	Startup and loaded output are accepted at the actual receiving equipment.

Boundaries of the Published Supply Data

Nominal selections	Discrete alternatives must not be converted into an undocumented continuous range.
No-load observation	A voltage reading alone does not establish usable power under the installed duty.
Replacement decision	The controller interface is part of the selection, not just output voltage.

Decisions from the observed installation

The offered unit has a familiar output but another input arrangement

Compare the exact source and terminal drawing before use.

An extra load is proposed during replacement

Review the full demand budget before connecting it.

The evidence to retain for SA610 3BHT300019R1

Selection evidence	Source, nominal selection, unit label and controller power drawing.
Acceptance evidence	Connected demand, output measurement location and startup/operating result.

Technical basis

ABB product technical information for SA610, 3BHT300019R1

Related product references

Separate supply references; listing does not establish interchangeability.

ABB 07NG63R1 GJV3074313R1	Dual-Output Rack Power Supply; separate supply reference
ABB CI520V1 3BSE012869R1	Advant Fieldbus Communication Interface; separate supply reference

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