

ABB AO650

Analog Output Module

Manufacturer	ABB
Model / order number	AO650 / 3BHT300051R1
Product identification	8-channel isolated analog output module; 12-bit resolution
System / family context	S600 I/O · Advant Controller family

Verified scope

ABB identifies AO650 as an 8-channel, 12-bit isolated analog output module, order 3BHT300051R1. The attached manufacturer pages retain the product identity, signal ranges, isolation and dimensions.

The technical ranges shown in the manufacturer record are product data; confirm the installed S600 configuration and receiving load before replacement.

Engineering checks before replacement

- Confirm AO650 and complete order number 3BHT300051R1 on the installed unit.
- Match the configured current or voltage range to the cabinet drawings and receiving circuit.
- Verify channel count, 12-bit scaling and per-channel isolation during the approved checkout.
- Record the nameplate revision, terminal wiring and project baseline before returning the loop to service.

Official ABB source reference

ABB PRODUCT-DETAILS: AO650 Analog Output 8ch, 12bit chan isol, Product ID 3BHT300051R1. Original manufacturer pages follow.

Source: https://www.nordwel.com/js/htmledit/kindeditor/attached/20220913/20220913113721_80516.pdf

This cover is an independent Sales PLC reference, not an ABB-issued datasheet. The following manufacturer-formatted pages retain their original wording and layout.

SALES PLC PRODUCT VERIFICATION

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PRODUCT-DETAILS

U3BHT300051R1
AO650

General Information	
Product ID	U3BHT300051R1
ABB Type Designation	AO650
Catalog Description	AO650
Long Description	AO650

Additional Information	
Medium Description	AO650 WARRANTY/CONTRACT

Ordering	
Customs Tariff Number	85352100

Dimensions	
Product Net Weight	0 kg

Categories	
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Control System Products → I/O Products → S600 I/O → S600 I/O - Modules → AO650 Analog Outputs → AO650 Analog Output

Control Systems → Advant OCS with Master SW → Controllers → Advant Controller 160 → Advant Controller 160 Version 2.2 → I/O Modules

Control Systems → Advant OCS with Master SW → I/Os → S600 I/O → I/O Modules