

ABB ADVANT OCS AND ADVANT-800XA

Product Data Sheet

3BHE013854R0001 PDD163A01

high voltage inverter board

FUNCTION high voltage inverter board	FAMILY ABB Advant OCS and Advant-800xA	ORIGIN Switzerland	WEIGHT 0.46 kg
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ABB Advant OCS and Advant-800xA 3BHE013854R0001 PDD163A01 is a high voltage inverter board for the ABB Advant OCS and Advant-800xA. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Operating Temp	-25°C to +70°C (derating above 50°C)
Humidity	5–95% RH (non-condensing)
Vibration Resistance	5–500Hz, 2G
Voltage Rating	1200V–1700V
Input Voltage (DC Link)	300–1000V DC
Output Voltage (AC)	3-phase, 0–480V AC
Current Rating	Up to 500A
Switching Frequency	2–20 kHz
Exact Article Code	3BHE013854R0001 PDD163A01
Board Designation	PDD163A01

ADDITIONAL PRODUCT DATA

Product Family	ABB Advant OCS and Advant-800xA
Component Type	High Voltage Inverter Board
Assembly Class	ABB PCB assembly
System Interface	ABB Advant OCS and Advant-800xA control interface
Control Supply	Documented rack control supply

OFFICIAL APPLICATIONS

- Operate the documented high voltage inverter board: Use 3BHE013854R0001 PDD163A01 only in the ABB Advant OCS and Advant-800xA equipment position identified by the installed hardware list. Match the complete ABB article code, board designation and electrical interface before work begins.
- Restore every recorded connection: Photograph connector keying, terminal references, cable routing, protective earth and adjacent assemblies for 3BHE013854R0001 PDD163A01. Reconnect the documented interface without changing the approved cabinet arrangement.
- Validate diagnostics before release: After installing 3BHE013854R0001 PDD163A01, check power-up indications, controller or converter diagnostics and the affected control function. Record measured results and maintenance acceptance before returning the equipment to service.

SYSTEM COMPATIBILITY

Match 3BHE013854R0001 PDD163A01 to the installed ABB Advant OCS and Advant-800xA, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB ABB Advant OCS and Advant-800xA documentation](#)

<https://new.abb.com/control-systems>

AMIKON PRODUCT SUPPORT

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