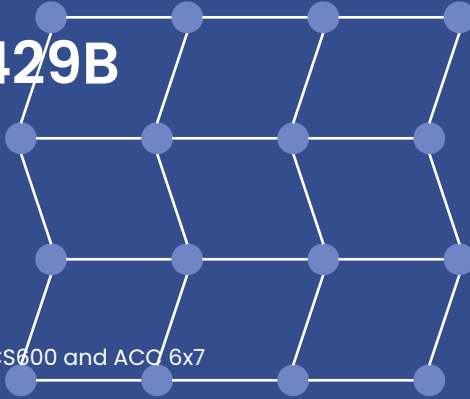


MANUFACTURER-SOURCE TECHNICAL REFERENCE

ABB NPOW-62C-64113429B

Product Reference

NPOW-62 internal power-supply board family for specified ACS600 and ACO 6x7 converter hardware

**DOCUMENT SCOPE**

Independent Apter Power manual compiled only from the cited ABB manufacturer sources. No product photograph is included.

Product / lookup identity	ABB NPOW-62C-64113429B
Reference number	64113429B
Document basis	Published ABB product records, PDFs, and manuals listed on page 3

**Product page**

<https://www.apterpower.com/ABB/npow-62c-64113429b>
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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

ABB NPOW-62 is an internal power-supply board documented in the V-phase module of specified ACS600 and ACC 6x7 converter hardware. Within the phase-module electronics it forms part of the documented supply path from NRED-61 to NPOW-62 and from NPOW connector X32 to the NINT main-circuit interface board at X42. It works with the applicable phase-module block, NRED-61, NINT and NXPP control-distribution hardware; ABB identifies the NGPS gate-driver power-supply board as a separate component. Its supported context is maintenance of installed ABB converter systems whose hardware manual specifies NPOW-62. ABB's direct sources reviewed do not verify revision NPOW-62C or order code 64113429B as an exact pair.

Published field	Manufacturer-published value or verified identity note
Verified family	NPOW-62 power supply board
Requested revision	NPOW-62C - not verified in the cited direct ABB sources
Requested order code	64113429B - exact pairing not verified
Documented location	V-phase module in specified ACS600 / ACC 6x7 converter configurations
Upstream documented path	NRED-61 to NPOW-62
Downstream documented path	NPOW X32 to NINT X42
Related control hardware	NINT main-circuit interface board and applicable NXPP control-distribution boards

System function and signal path

01	In the documented V-phase module, NRED-61 connects to the NPOW-62 power-supply board.
02	NPOW-62 performs the internal power-supply-board role identified by ABB for the applicable phase-module electronics.
03	NPOW connector X32 connects to connector X42 on the NINT main-circuit interface board.
04	ABB fault tracing uses this path, together with the NPOW-62 fuse and NINT/NXPP LED state, when checking a missing internal supply condition.

Applications, answers, and official sources

1 Internal power-supply-board service in installed ABB ACS600 converter systems whose hardware manual specifies NPOW-62

2 Internal power-supply-board service in documented ACC 6x7 converter configurations

3 V-phase module power-supply-path inspection involving NRED-61, NPOW-62 and NINT

4 Fault tracing of the documented NPOW fuse and X32-to-X42 connection path

Frequently asked questions

What is ABB NPOW-62?	ABB identifies NPOW-62 as a power-supply board located in the V-phase module of specified ACS600 and ACC 6x7 converter hardware.
Is NPOW-62 the same board as NGPS?	No. ABB lists NPOW-62 as the power-supply board and NGPS separately as the gate-driver power-supply board.
Where is NPOW-62 installed?	ABB places it in the V-phase module of the applicable phase-module block.
Which connection points are associated with NPOW-62?	ABB fault tracing calls out the connection from NRED-61 to NPOW-62 and the connection from NPOW-62 X32 to NINT X42.
What does ABB suggest checking when the NINT and NXPP LEDs are all off?	ABB's fault-tracing table includes missing DC voltage, a blown fuse on NPOW-62, and faults in the NRED-61-to-NPOW-62 or NPOW X32-to-NINT X42 connections among the checks.
Is NPOW-62 present in every ACA 6xx frame size?	No. The applicable ABB hardware manual states that NPOW-62 is not included in frame sizes R2i and R3i.

Official ABB sources

ACS/ACC 607/617/627/677 Hardware Manual, 75 to 3000 kW	https://library.e.abb.com/public/5351a8ae79b32a4dc1256d2800405b3a/en_6x7_3000kW_hm_F_screen_res.pdf
ACA 6xx Hardware Manual	https://library.e.abb.com/public/fdc7fc079eb9493ac2256def0041557b/en_ACA6xxhw_1e_scrres.pdf
ACS 600 System Application Program Firmware Manual / Fault Tracing	https://library.e.abb.com/public/31ceb4318d98ebc6c1256d280040b81e/EN_FWSystemApplProg_4.pdf