

ABB NPOW-62C-64113429B

Power-Supply Board Identification Guide

NPOW-62 internal power-supply board family for specified ACS600 and ACC 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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Board identity and host-system path

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.

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.
05	NGPS remains a separate gate-driver power-supply board and is not part of the NPOW identity.

Published scope and boundaries

01	ABB manuals directly document the NPOW-62 family and its function, but the cited direct ABB sources do not verify the NPOW-62C revision or its pairing with order code 64113429B.
02	The exact NPOW-62C / 64113429B identity is unverified; do not represent it as ABB-confirmed without a nameplate or direct spare-parts record.
03	ABB documents NPOW-62 as an internal V-phase power-supply board, not as a communication or signal-processing module.

Power-board replacement checks

01	Treat the board as an internal high-voltage-converter service component and follow the complete safety instructions in the applicable host-drive hardware manual.
02	Only qualified electrical personnel may service the converter.
03	Isolate the converter from all sources, prevent reconnection, wait for DC-link capacitors to discharge as instructed and verify de-energization before touching internal boards.
04	Use ESD precautions when handling the printed-circuit board.
05	Confirm the exact phase-module frame, board revision and ABB spare code before replacement; revision interchangeability is not established by the cited sources.

Identity and release controls

Requested Model	NPOW-62C
Requested Order Code	64113429B
Verification Status	EXACT_PAIR_UNVERIFIED

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_le_scrres.pdf
ACS 600 System Application Program Firmware Manual / Fault Tracing	https://library.e.abb.com/public/31ceb4318d98ebc6c1256d280040b81e/EN_FWSystemApplProg_4.pdf