MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

ABB

AFPS-11C 68969972

FAN POWER SUPPLY BOARD

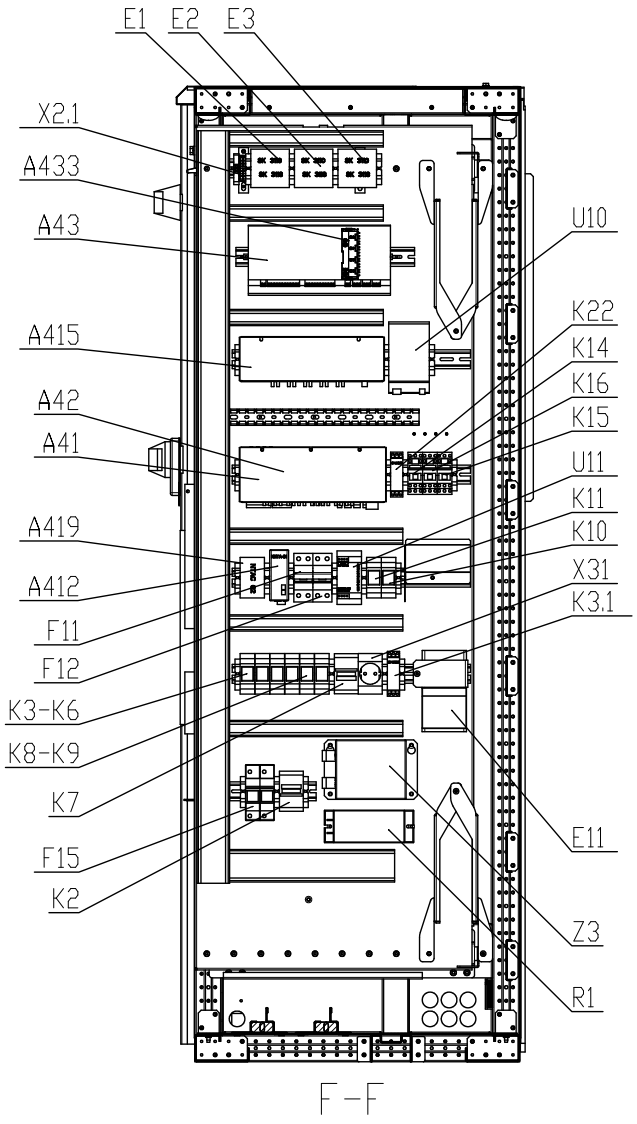
Used with the applicable ACS800 auxiliary cooling configuration.

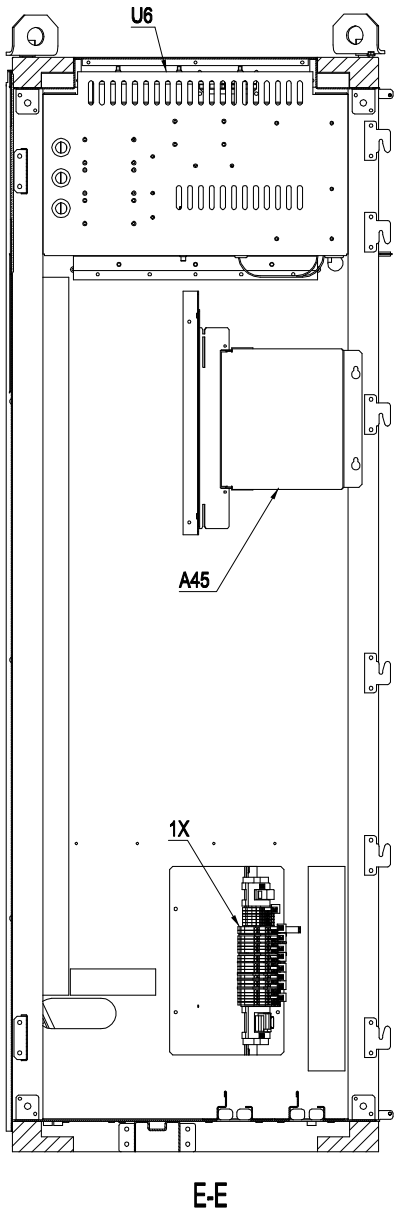
REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: ABB ACS800-67 Hardware Manual, module layout pages 28-29; AFPS-11C at A433.





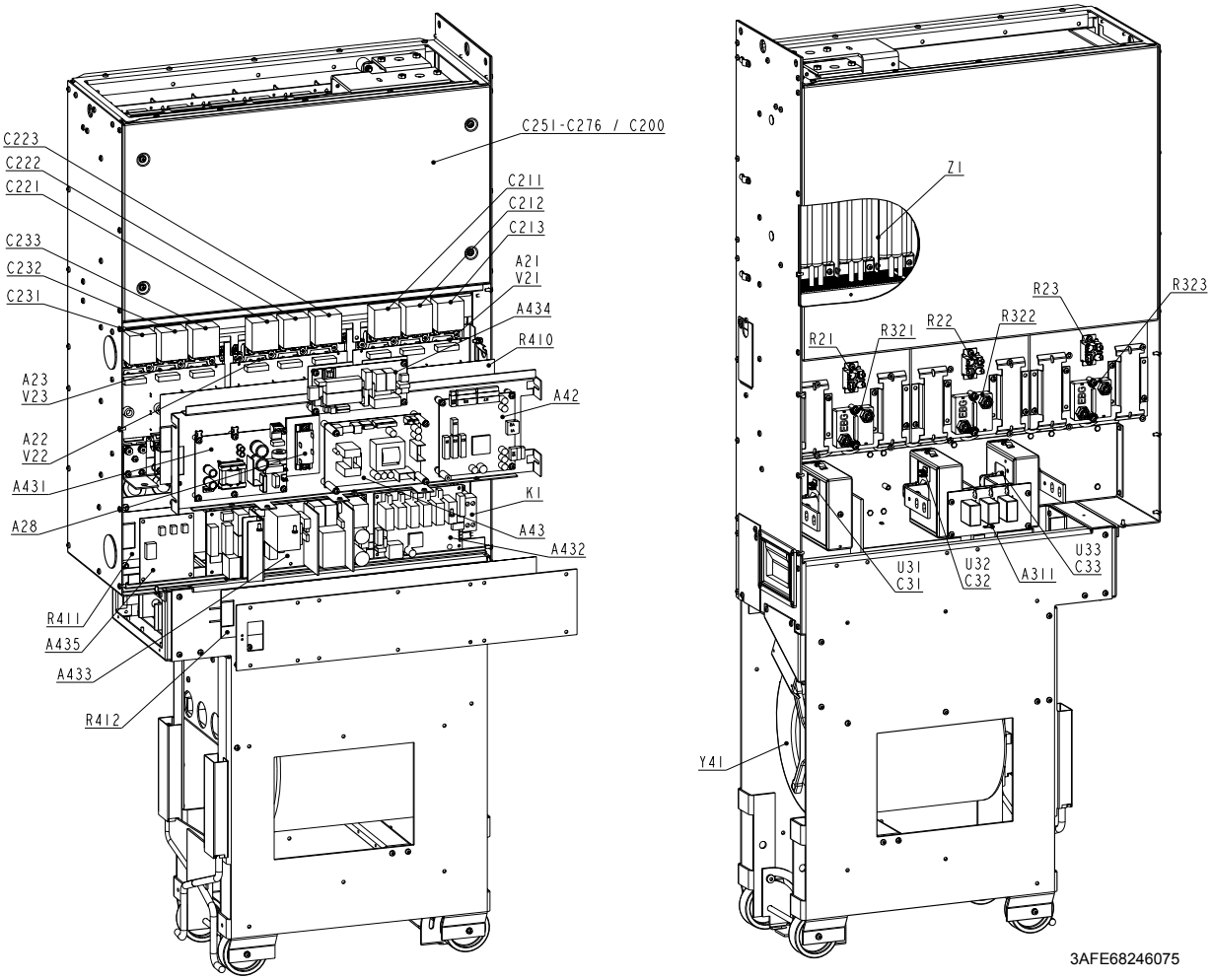
A41	NDCU-33Cx Drive Control Unit
A43	RDCU-12C Drive Control Unit
A45	NUIM-61C/NUIM-10C Voltage and Current Measurement Unit
A411	*
A412	NETA-01 Ethernet Adapter Module
A415	NPBU-44C/APBU Branching Unit
A419	NTAC-02 Pulse Encoder Interface Module
A433	RDCO-02C DDCS Communication Option
E1	Humidity sensor
E2, E3	Temperature sensor

E11	Heating fan
F11,12	Protection switch
F15	Charging fuses
K2	Charging contactor
K3-K6	Relay
K7	Heating contactor
K8-K9	Relay
K14-K16	Relays
K22	Timer relay
R1	Charging resistor

U6	Crowbar
U10	Power supply 24 V / 3 A
U11	Power supply 15 V / 1 A
X31	Wall socket
Z3	Control voltage filter
1X	Terminal strip

* Project-specific: e.g. NCAN-02C/NDNA-02C/no option module

Converter module layout is presented in the following drawing.



A21-23	AGDR-6x/7x Gate Driver Board (A23 is not used with 400 kVA units)	A433	AFPS-11C Fan Power Supply 1 kW	V21-23	IGBT module (V23 is not used with 400 kVA units)
A28*	AFCB-01 Protection board or NRED-16	A435	AHCB-01C Heating Control Board	R21-23	Discharging resistor
A42	AINT-14C Main Circuit Interface Board	C31-33	Filter capacitor set	R321-323	Output filter resistor
A43*	APOW-11C/01 Power Supply Board	C200	DC link capacitor (C251-276 are not used)	R410-413	Heating element
A46	AGBB-01C Gate Driver Branching Board (only with 400 kVA units)	C211-213	Clamp capacitor	U31-33	Current transducer
A311	AOFC-02 Output Filter Board	C221-223	Clamp capacitor	Y41	Fan
A432	AFIN-01C Fan Inverter 1 kW	C231-233	Clamp capacitor	Z1	AOFI-61 Output Filter Inductor

* Allowed combinations are:
NRED-16 and APOW-01
AFCB-01 and APOW-11C