

# A-Z TRADERS

**Designed and Manufactured in the EU**



Switchboards for  
Photovoltaics



Intelligent Control  
Systems



Charging Stations for  
Electric Vehicles



Safety Components

Surge Protectors



Monitoring Systems

# Switchgear R-FVE-D1



R-FVE-D1

Wall mounting. IP65. 3F FVE operation (typically GoodWe 4 to 10K-ET inverter). Automatic switching between standard operation from the network and backup. It is necessary to check the load during an electrical failure. energy to avoid overloading, as its function switches the whole house to inverter backup. Minimal intervention in the customer's switchboard - Smartmeter, common breakdown point and all fuses are part of this switchboard. It is enough to make a loop between hl. switchgear and technology placement. The switchboard is also equipped with emergency disconnection of the HDO inverter (N0%). The R-FVE-D1 switchboard is designed for the main circuit breaker in the post to the B40/3 circuit breaker.

[View product](#)

Price after registration

## PRODUCT DESCRIPTION

AC switchboard designed for wall mounting, IP65, used to operate a three-phase photovoltaic power plant (typically a GoodWe 4 to 10K-ET inverter).

Its advantage is the automatic switching between standard operation from the grid and backup. It is necessary to control the load during a power outage to avoid overload, because its function switches the entire house to the inverter backup.

The undisputed advantage is the minimal intervention in the customer's switchboard - Smartmeter (inverter measurement) common breakdown point and all fuses are part of this switchboard. So it is enough to make a loop between the main switchboard and the location of the technology. The switchboard also has a crisis disconnection of the inverter HDO (N0%) **The R-FVE-D1 switchboard is designed for the main circuit breaker in the column to the B40/3 circuit breaker .**

*Note: Smartmeter is not part of the AZ TRADERS sro delivery. If the customer supplies Smartmeters, we are able to install them in the switchboards.*

There is a slight time delay when switching (contactor switching) - so it is not a fail-safe backup solution.

## LIST OF MAIN COMPONENTS:

EATON IKA-3/54-ST switchboard, EATON SPBT12-280/4 class T1+T2 surge arrester, EATON IS40/3 main switch, preparation for boiler protection - EATON PL6-B16/3, protection of the inverter and backup circuits 2x EATON PL6-B20/3, contactor including ELKO HRN-55 monitoring relay and EATON Z-SCH230/40-40 contactor, protection for measurement and control, EATON PL6 circuit breakers and 2 contactors for autonomous switching of the object to backup Z-SCH230/25 + relay for controlling the emergency HDO.

In combination with the R-FVE-E1 (R-FVE-E2) switchboard, where the AZ Router is also located, you can connect the switches with a prepared cable harness and have complete technology in 2 switches, including regulation for DHW.

Code	Manufacturer	Product	Description	Number of pieces
174202	EATON	IKA-3/54-ST	Switchboard ON IP65 plaster, transparent door, 3 rows, 54 modules	1

Code	Manufacturer	Product	Description	Number of pieces
158331	EATON	SPBT12-280/4	Surge arrester class T1+T2 (B+C), 4-pole set for TN-S	1
276272	EATON	IS-40/3	Main switch, 240V, 40A, 3HP	1
286518	EATON	PL6-B6/1	Circuit breaker PL6, characteristic B, 1-pole, Icn=6kA, In=6A	2
286521	EATON	PL6-B16/1	Circuit breaker PL6, characteristic B, 1-pole, Icn=6kA, In=16A	1
3722	ELKO EP	HRN-55	Monitoring voltage relay	1
40.52.8.230.0000	FINDER	2P/8A 230VAC 40.52.8.230.0000	Relay 1NC, 1NO	1
193886	EATON	Z-SCH230/1/25-11	Installation contactor, 230VAC/50Hz, 1S, 1R, 25A	1
248847	EATON	Z-SCH230/25-40	Installation contactor, 230VAC/50Hz, 4S, 25A	2
248852	EATON	Z-SCH-230/40-40	Installation contactor, 230VAC/50Hz, 4S, 40A	1
286586	EATON	PL6-B6/3	Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=6A	1
286589	EATON	PL6-B16/3	Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=16A	1
286516	EATON	PL6-B2/1	Circuit breaker PL6, characteristic B, 1-pole, Icn=6kA, In=2A	1
286590	EATON	PL6-B20/3	Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=20A	2