

A-Z TRADERS

Designed and Manufactured in the EU



Switchboards for
Photovoltaics



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Systems



Charging Stations for
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Safety Components



Surge Protectors



Monitoring Systems

 **A-Z TRADERS**

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Switchgear R-FVE-B1



R - FVE - B1

AC+DC distributor. Wall mounting, IP65. For operation of 3F FVE in combination with a switch (typically a GoodWe 4 to 10K-ET inverter). Manual transition from network and backup. It is necessary to control the load during a power failure to avoid overloading after switching the switch, because its function switches the whole house to inverter backup.

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PRODUCT DESCRIPTION

AC+DC switchboards designed for wall mounting, IP65, are used to operate a three-phase photovoltaic power plant in combination with a switch (typically a GoodWe 4 to 10K-ET inverter).

Its advantage is manual transition from the network and backup. It is necessary to control the load during a power failure to avoid overloading after switching the switch, because its function switches the whole house to inverter backup.

An indisputable advantage is minimal intervention in the customer's switchboard - Smartmeter (inverter measurement), the common breakdown point and all fuses are part of this switchboard. It is enough to make a loop between hl. switchgear and technology placement.

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

The switchboard is also equipped with an emergency disconnection of the HDO inverter (N0%). The R-FVE-B1 switchgear is designed for a main circuit breaker in the column with a maximum of 40 A. R-FVE-A1 (A2) also contains DC fuse disconnectors and surge arresters (A1 one for one chain, A2 for two chains). When switching, there is a slight time delay (switching of contactors) - so it is not a fail-safe backup solution.

Code	Manufacturer	Product	Description	Number of pieces
174201	EATON	IKA-2/36-ST	Surface-mounted distribution board IP65, transparent door, 2 rows, 36 modules	1
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
3722	ELKO EP	HRN-55	Voltage monitoring relay	1
40528230 + 95.65	FINDER	2P/8A 230VAC 40.52.8.230.0000	Finder RELAY	1
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
286590	EATON	PL6-B20/3	Circuit breaker PL6, characteristic B, 3-pole, Icn=6kA, In=20A	1

Code	Manufacturer	Product	Description	Number of pieces
286516	EATON	PL6-B2/1	Circuit breaker PL6, char B, 1-pole, Icn=6kA, In=2A	1