

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

 A-Z TRADERS

 www.AZTRADERS.eu

 info@aztraders.eu

 +420 605 457 572

Switchgear R-FVE-G2 – protection class I+II (with AC arrester)



R-FVE-G2/AC

Wall mounting. IP65. 3F FVE operation (typically a Growatt 4 to 10K inverter). 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.

[View product](#)

Price after registration

PRODUCT DESCRIPTION

AC+DC switchboards designed for wall mounting, IP65, used to operate a three-phase photovoltaic power plant (**typically a Growatt 4 to 10K inverter**).

An indisputable advantage is the minimal intervention in the customer's switchboard - the 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.

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.

The switchboard also has a crisis disconnection of the HDO inverter (N0%). The R-FVE-A40-1 switchboard is designed for a main circuit breaker in a column with a maximum of 40 A. It also contains DC fuse disconnectors and surge arresters.

LIST OF MAIN COMPONENTS:

EATON switchboard **IKA-3/54-ST** , surge arrester class T1+T2 EATON **SPBT12-280/4** , main switch EATON **IS40/3** , EATON inverter fuse **PL6-B16/1** , contactor including monitoring relay **ELKO HRN-55** and EATON contactor **Z-SCH230/40-40** , protection for measurement and control, EATON PL6 circuit breakers + relay for emergency HDO control. EATON surge arrester **SPPVT12-10-2+PE** or EATON **SPPVT2-10-2+PE** . EATON CHPV2U fuse switch disconnectors including EATON gPV fuses **PV-15A10F** .

| Code | Manufacturer | Product | Description | Number of pieces |
|------------------|--------------|----------------------------------|---|------------------|
| 174202 | EATON | IKA-3/54-ST | Switchboard ON IP65 plaster, transparent door, 3 rows, 54 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 | Monitoring voltage relay | 1 |
| 40528230 + 95.65 | FINDER | 2P/8A 230VAC 40.52.8.230.0000 | Finder RELAY | 1 |
| 177256 | EATON | SPPVT12-10-2+PE | Surge arrester T1+T2 (I+II, B+C), photovoltaic applications 1000V DC, max. short circuit. current 1000A | 1 |

| Code | Manufacturer | Product | Description | Number of pieces |
|-------------|---------------------|--------------------------|--|-------------------------|
| 2625085 | EATON/ETI/OEZ | CH10x38 gPV 15A/1000V DC | Ultra-fast cylindrical fuse for photovoltaics, (UL standard), 10x38mm, 1100V DC, 15A | 2 |
| CHPV2U | EATON | CHPV2U | Fuse disconnecter, photovoltaic applications, 2-pole, 1000V AC / 30A, C10 (10x38mm) | 1 |