

# 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

# Switchboard R-FVE-GW25 – protection class I+II



R-FVE-GW25

Wall mounting. IP65. 3F PV (typically Goodwe 4 to 10K-ET inverter). Automatic switching between standard operation from the network and backup. It is necessary to control the load during a power failure 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.

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## PRODUCT DESCRIPTION

AC switchgear designed for wall mounting, IP65 used to serve 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 network and backup. It is necessary to control the load during a power failure to avoid overloading, as its function switches the whole house to inverter backup.

An indisputable advantage is the minimal intervention in the customer's switchboard - the 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 The Smartmeter is not part of the delivery of AZ TRADERS.sro If the customer supplies Smartmeters, we are able to install them in the switchboards.*

The switchboard is also equipped with emergency disconnection of the HDO inverter (N0%) and preparation for the installation of the FIRE-SAFETY solution. The GW25 type is designed for the main breaker in the 25A column.

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

Code	Manufacturer	Product	Description	Number of pieces
174202	EATON	IKA-3/54-ST	Surface-mounted distribution board IP65, 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
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	Voltage monitoring relay	1
40.52.8.230.0000	FINDER	2P/8A 230VAC 40.52.8.230.0000	Relay 1NC, 1NO	1

Code	Manufacturer	Product	Description	Number of pieces
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=25A	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