

Automatic backup power supply connection box for GEN24 and Symo Hybrid inverters

Compatible with the Fronius GEN24 and the Fronius Symo Hybrid inverters

The SH-GEN24-SZR connection box enables quick installation of an emergency power supply in the customer's installation. In the normal operating state of the grid, all circuits are supplied directly from the power system, in the event of a grid failure, the system automatically switches to the inverter emergency power supply and ensures energy independence of the circuits connected.

Characteristics:

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- Double disconnection of operation in emergency mode
- power meter
- Built-in inverter protections
- Controlled by an inverter
- Wall mounting
- Included cable glands
- Phase signalling



Technical parameters

Basic technical data	
Compatibility	FRONIUS SYMO HYBRID 3.0-3-S FRONIUS SYMO HYBRID 4.0-3-S FRONIUS SYMO HYBRID 5.0-3-S FRONIUS SYMO GEN24 6.0 FRONIUS SYMO GEN24 8.0 FRONIUS SYMO GEN24 10.0
Grid type	TN-S / TN-C-S
Grid parameters ,V	230/400
Rated frequency, Hz	50
Source of backup power	Energy storage
Max output current of backup source, A	16.4
Max output current, A	63
Switching time, s	≈ 60
Type of connection	3F + N
Operating temperature °C	-25÷40
Protection class IP	65
Weight, kg	8
Dimensions, mm	653 / 319 / 144
Phase signalisation	Yes
Max. input current , A	50A

Technical Parameters

Advanced security	
Control circuit	Circuit breaker B6
Inverter circuit	Circuit breaker B25
Inverter protection	Residual current circuit breaker 40A 300Ma S+A
Circuit breaker	K1/K2 63A

Power meter	
Smart meter	Yes
Input communication cables	Yes
Model	FRONIUS SMART METER 63A

Wire cross-sections diameters	
Grid connector	<10 mm ²
Connected load	<10 mm ²
Inverter outputs	<10 mm ²
Emergency power receptors	<10 mm ²
Communication cable	Terminal block PUSH-IN (0,5mm ²)/UTP cat.5 RJ-45

Wires gland	
Grid connector	M25
Connected load	M25
Inverter output connector	M25
Emergency power receptions	M25
Communication connector	M16

Connection diagram

