



# SH-GEN24-PP

**SINGLE-PHASE SWITCHGEAR FOR GUARANTEED  
EMERGENCY CIRCUIT POWER**



## Introduction

The SH-GEN24-PP connection box enables constant power supply to the emergency circuit consumers. In the basic system, when the power grid is working properly, the PV-Point connector of the inverter is turned off and it is activated only when the grid fails. This forces the user to physically overvoltage the devices previously supplied from the network to separate circuits, supplied from the PV-Point connector of the inverter. Thanks to the switchgear with change-over automatics, the emergency supply circuits can be permanently connected, they will be supplied both when the network is working properly and in the event of its failure.. The energy for powering the emergency circuits can come both from the energy storage connected to the inverter and from the instantaneous energy produced from the photovoltaic modules.

## Technical parameters

Dane techniczne	
Compatibility	FRONIUS SYMO GEN24 6.0 FRONIUS SYMO GEN24 8.0 FRONIUS SYMO GEN24 10.0
Grid type	TN-S / TNC-S
Grid parameter V	230/400
Rated frequency, Hz	50
Backup energy circuit	energy storage / PV generator
Max output current of backup source, A	13A
Switching time, s	< 90 seconds
Type of connection	L + N
Operating temperature °C	-25÷40
Protection class IP	65
Dimensions height/width/depth, mm	256 / 319 / 144
Phase signalisation	Yes
Max input current of backup source, A	13A
Residual current breaker	30mA
Overcurrent breaker	B16
Circuit breaker	K1/K3 20A
Cable glands	2 x M16
Inverter input connector	Terminal block
Network connection	Terminal block
Emergency connector	Grounded outlet

# Connection diagram

