

# VERSO 50

From	Gaëlle Postec
Date	June 2014
Réf.	CO140602

The VERSO 50 is an automatic transfer switch. It is installed via connectors available on all gensets equipped with a MODYS control unit (retrofittable - does not require installation in the factory)

## Male connector of the VERSO 50



## Location of the female connector



Technic 6500 E AVR (MODYS option)



Diesel 6000 E Silence



XP-S6-H-STORM

## Connecting the VERSO 50 to the genset



Attach the VERSO 50 directly to the available connector on the genset.



**CONCEPT**  
SALES TALK

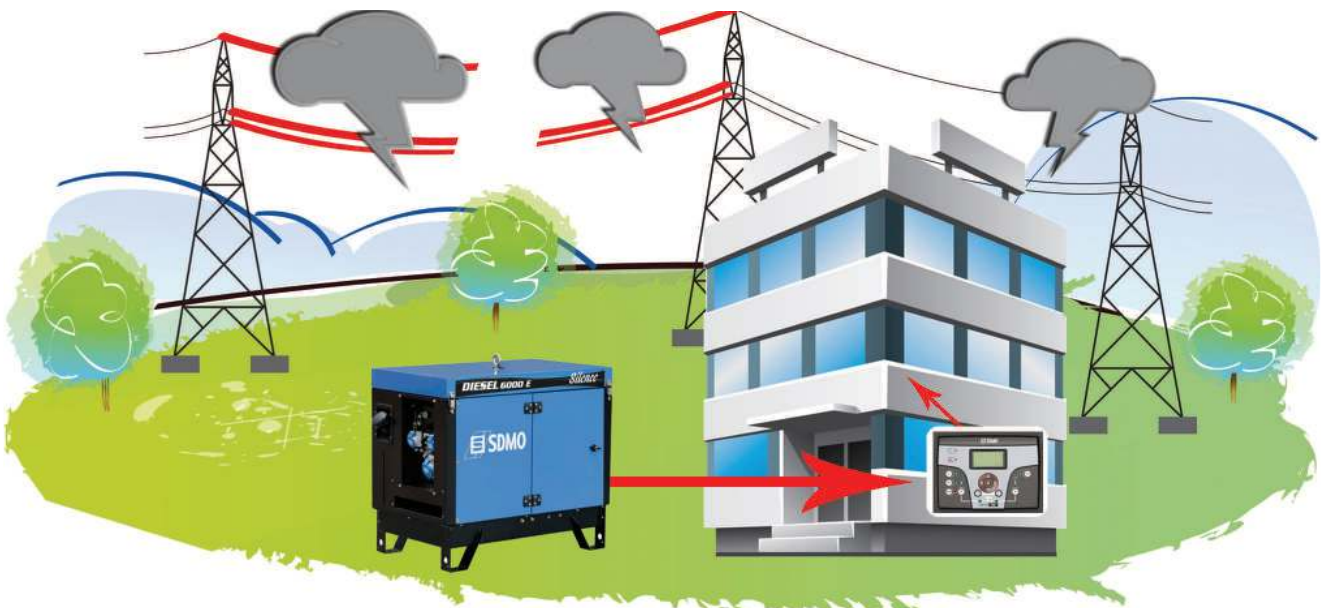
**SDMO**  
Energy Solutions Provider

## Operating principle

Connected to the mains, the genset and the building feed, the VERSO 50 continuously monitors the presence of the mains.



If a power cut is detected, the VERSO 50 will automatically start the genset and switch the feed for the building to the set once the voltage has stabilised



When the mains power returns, the VERSO 50 switches the feed to the building back to the mains and cuts out the genset.



In addition, an external dry contact input allows the use of the genset to be forced even if the mains current is available. This function may be used when it is more advantageous to use the genset than the mains (for example, for «EJP» peak tariff type pricing found in France).

## The advantages of the VERSO 50

The VERSO 50 is a **plug and play** option

SDMO sets with Modys control units are equipped with four point connectors as standard. It is possible to order the VERSO 50 as a retrofittable accessory which doesn't need to be installed in the factory (following the same principle as wheelbarrow kits, remote access, manual transfer switches,...). According to the regulations of certain countries, differential protection may be required.

The VERSO 50 comes with an **automatic clock**

The VERSO 50 can be used to start daily, weekly or monthly start tests of the genset (on load or not) to ensure it is in good working order and to make sure it starts during a power outage. Off grid, this function allows the genset to start periodically to recharge the battery.

The VERSO 50 comes with an **integrated battery charger**

The VERSO 50 has a basic battery charger which maintains a constant level of charge. This ensures that the battery has enough charge to start the set.

The VERSO 50 includes **operator access levels**

This automatic transfer switch offers several security access levels. This security measure prevents the operator from accidentally changing settings to which they should not have access. It can carry out simple actions without risk, such as manually changing power sources.

# HMI Presentation (Interface Home Machine)

System on

Fault reset indication and button

Navigation pad

Automatic or test operating modes

Manual operating mode



Fault reset

Normal/Standby switch

## Gensets offering the **VERSO 50 option**

The daily applications are mainly standby applications for residential and small business premises. The associated genset will have to be equipped with the MODYS control unit, it will also depend, in addition to the electrical installation (single phase, three phase, power), on the duration and frequency of mains power outages.

Duration of power outages	Frequency	SDMO Range
Several days	Several times per year	Industrial range (STORM)
Several hours	Several times per year	Diesel range
Several hours	Several times per year	Technic range

Single phase gensets equipped with MODYS control unit :

### Industrial range



XP-S6-H-STORM

### Diesel range



Diesel 6000 E Silence  
 Diesel 6000 E XL C (MODYS option)  
 Diesel 10000 E XL C  
 Diesel 10000 E Silence

### Technic range



Technic 6500 E AVR (MODYS option)  
 Technic 10000 E AVR C

Three phase gensets equipped with MODYS control unit :

### Industrial range



XP-S7-H-STORM

### Diesel range



Diesel 6500 TE Silence  
 Diesel 6500 TE XL C (MODYS option)  
 Diesel 15000 TE XL C  
 Diesel 20000 TE XL AVR C  
 Diesel 15000 TE Silence

### Technic range



Technic 7500 TE AVR (MODYS option)  
 Technic 15000 TE AVR C  
 Technic 20000 TE AVR C

	VERSO 50 1ph 40A	VERSO 50 1ph 100A	VERSO 50 3ph 25A	VERSO 50 3ph 40A
<b>Industrial range</b>				
XP-S6-H-STORM				
XP-S7-H-STORM				
<b>Diesel range</b>				
Diesel 6000 E Silence				
Diesel 6500 TE Silence				
Diesel 6000 E XL C (MODYS option)				
Diesel 6500 TE XL C (MODYS option)				
Diesel 10000 E XL C				
Diesel 10000 E Silence				
Diesel 15000 TE Silence				
Diesel 15000 TE XL C				
Diesel 20000 TE XL AVR C				
<b>Technic range</b>				
Technic 6500 E AVR (MODYS option)				
Technic 7500 TE AVR (MODYS option)				
Technic 10000 E AVR C				
Technic 15000 TE AVR C				
Technic 20000 TE AVR C				

**The choice of VERSO 50 will also depend on the electrical tariff.**

The maximum intensity accepted by the Verso 50 must be greater than the circuit breaker of the electrical installation.

Net dimensions : **28 x 40 x 15 cm**  
 Net weight : **10 kg** (11 kg VERSO 50 1ph 100A)

Gross dimensions : **38 x 43 x 26 cm**  
 Net weight : **11 kg** (12 kg VERSO 50 1ph 100A)

