

M2i



PRODUCTS APPLICATIONS

M2i Electrical Services

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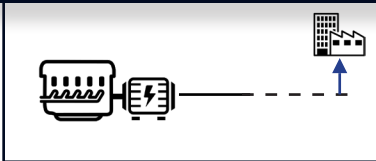
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PRODUCTS APPLICATIONS_EN_D2023

APPLICATIONS COMPACT PRODUCTS OVERVIEW

SINGLE GENSET WITHOUT BREAKER: AUTO START CONTROLLER



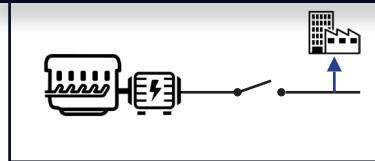
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- No breaker control
- No voltage control
- No speed control

PRODUCTS REQUIRED

- **AMF COMPACT** (In Auto Start Module configuration)

SINGLE GENSET WITH 1 GENERATOR BREAKER: AUTO START CONTROLLER



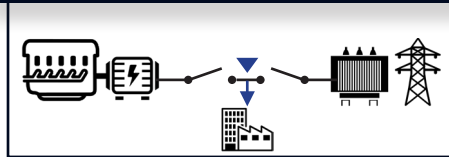
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breaker control
- No voltage control
- No speed control

PRODUCTS REQUIRED

- **AMF COMPACT**
(In Auto Start Module configuration)

SINGLE STANDBY GENSET WITH CHANGE OVER MODE (AUTO MAINS FAILURE)



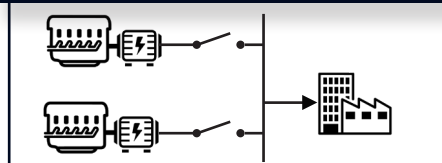
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Auto transfer switch
- Breakers control
- No voltage control
- No speed control

PRODUCTS REQUIRED

- **AMF COMPACT**

STANDBY GENERATORS WITH PARALLELING MODE (PRODUCTION OR EMERGENCY)



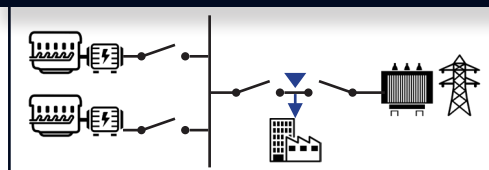
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Load sharing

PRODUCTS REQUIRED

- **2 GENSYS COMPACT PRIME**

STANDBY GENERATORS WITH PARALLELING MODE WITH CHANGE OVER MODE



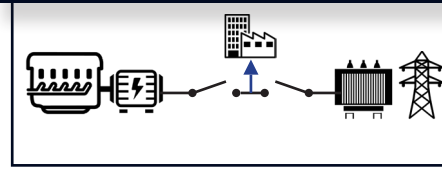
REQUIREMENTS

- ATS with Mains
- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Load sharing

PRODUCTS REQUIRED

- **2 GENSYS COMPACT PRIME + MASTER COMPACT**

SINGLE STANDBY GENSET WITH MAINS PARALLELING MODE



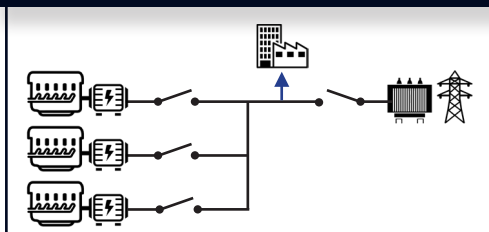
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Power management

PRODUCTS REQUIRED

- **GENSYS COMPACT MAINS**

MULTIPLE GENSETS PARALLELED WITH 1 MAINS/1 BREAKER



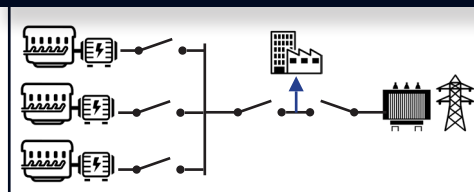
REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains paralleling and power management
- Load shedding

PRODUCTS REQUIRED

- **3 GENSYS COMPACT PRIME + 1 MASTER COMPACT 1B**

MULTIPLE GENSETS PARALLELED WITH 1 MAINS / 2 BREAKERS



REQUIREMENTS

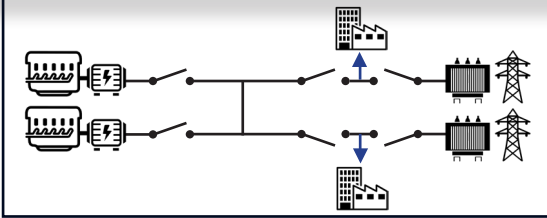
- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains paralleling and power management
- Load shedding

PRODUCTS REQUIRED

- **3 GENSYS COMPACT PRIME + MASTER COMPACT**

For direct connection with multiple mains application, it is mandatory to use 2 breakers and MASTER COMPACT controller. One breaker and MASTER COMPACT 1B controller will not allow to manage all sequences.

MULTIPLE GENSETS PARALLELED WITH MULTIPLE MAINS



REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains power management
- Load shedding
- Mains paralleling

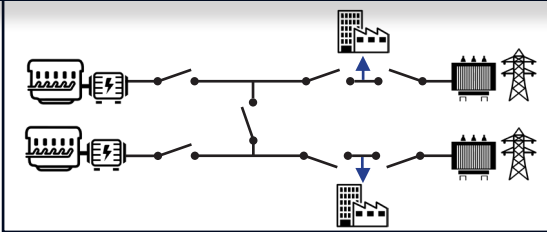
PRODUCTS REQUIRED

- 2 GENSYS COMPACT PRIME + 2 MASTER COMPACT



AMF COMPACT
HMI & CORE VERSION

H CONFIGURATION WITH BUS TIE BREAKER AND MAINS 2 BREAKERS



REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains power management
- Load shedding
- Mains paralleling
- Bus & Tie breaker management

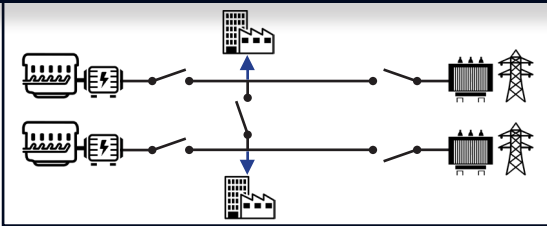
PRODUCTS REQUIRED

- 2 GENSYS COMPACT PRIME
- 2 MASTER COMPACT + 1 BTB COMPACT



GENSYS COMPACT PRIME
HMI & CORE VERSION

H CONFIGURATION WITH BUS TIE BREAKER AND MAINS 1 BREAKER



REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains power management
- Load shedding
- Mains paralleling
- Bus & Tie breaker management

PRODUCTS REQUIRED

- 2 GENSYS COMPACT PRIME
- 2 MASTER COMPACT 1B + 1 BTB COMPACT

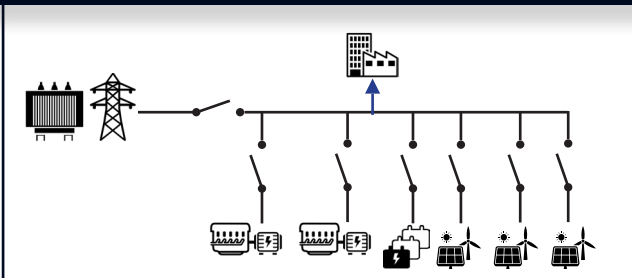


GENSYS COMPACT MAINS
HMI & CORE VERSION



MASTER COMPACT
HMI & CORE VERSION

HYBRID APPLICATION WITH PHOTOVOLTAIC SYSTEMS AND STORAGE BATTERIES



REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains power management
- Load shedding
- Mains paralleling
- Communication ModBus & Spec
- Control PV & battery inverter
- Control of the reactive power kVAR batteries & PV

PRODUCTS REQUIRED

- 2 GENSYS COMPACT PRIME + 1 MASTER COMPACT 1B
- 3 HYBRID COMPACT + 1 BAT COMPACT

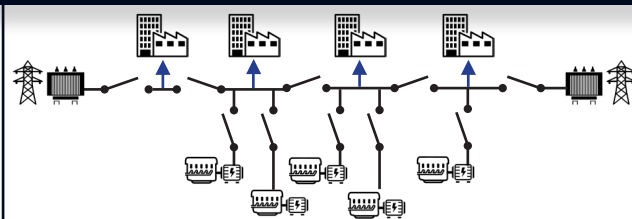


BTB COMPACT
HMI & CORE VERSION



HYBRID COMPACT
HMI & CORE VERSION

COMPLEXE APPLICATION WITH MULTIPLE GENSETS, MULTIPLE MAINS AND MULTIPLE BUS TIE BREAKER



REQUIREMENTS

- Start/Stop control
- Genset mechanical & electrical protections
- Breakers management
- Synchronization
- Generator load sharing
- Mains power management
- Load shedding
- Mains paralleling
- Bus & Tie breaker management

PRODUCTS REQUIRED

- 5 GENSYS COMPACT PRIME
- 1 MASTER COMPACT + 1 MASTER COMPACT 1B + 1 BTB COMPACT



BAT COMPACT
HMI & CORE VERSION

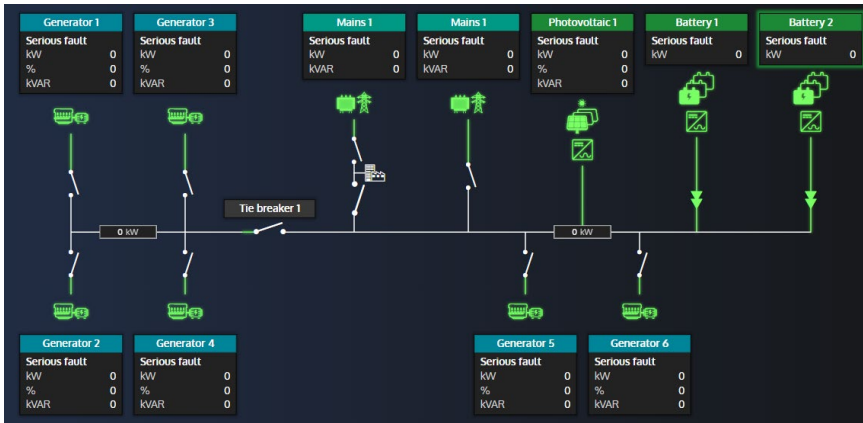


I4GEN
7'' - 10'' - 15''

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Our renewable & hybrid solutions are designed to enhance the reliability, flexibility, and performance of your energy management

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Single Line Diagram: Automatically Generated for Comprehensive Plant Visualization

• **Global Plant Visualization:** This feature automatically generates a single line diagram based on the configuration of all controllers, providing a complete and clear overview of the entire plant's layout and operation.

• **Selective Source Visualization and Control:** Enables users to select any source within the plant for detailed visualization. This selection allows the visualization, configuration, programming, and of all parameters associated with the chosen controller.



Enhanced Monitoring with Production Curves & Load Profiles of Energy Sources

• **Flexible Display**

- «Separate Mode»: Allows the individual display of production curves and load profiles for each energy source, facilitating focused analysis.
- «Superimposed Mode»: Offers a combined view where production curves and load profiles are overlaid. This mode is particularly useful for visualizing and comparing the load across different energy sources.



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