

**MEDIUM VOLTAGE
INVERTER STATION,
CUSTOMIZED
UP TO 6.55 MVA**

From 2950 to 6550 kVA

This brand new medium voltage solution integrates all the devices required for a multi-mega-watt system.

Maximize your investment with a minimal effort

Ingeteam's Inverter Station is a compact, customizable and flexible solution that can be configured to suit each customer's requirements. It is supplied together with up to four photovoltaic inverters (two dual inverters). The main equipments such as inverters and MV transformer are suitable for outdoor installation and the IP54 shelter includes in two separate compartments the MV switchgear and the LV auxiliary equipments. The LV compartment can be implemented with auxiliary devices provided by the customer and is available with forced air cooling or air conditioner cooling system.

Higher adaptability and power density

This PowerStation is now more versatile, as it presents the MV transformer integrated into a steel base frame together with the MV switchgear. Moreover, it features the greatest power density on the market: 326 kW/m³.

Plug & Play technology

This MV solution integrates power conversion equipment –up to 6.55 MVA-, liquid-filled hermetically sealed transformer up to 34.5 kV and provision for low voltage equipment. The MV Mini-Skid is delivered pre-assembled for a fast on-site connection with up to four PV inverters from Ingeteam's B Series central inverter family.

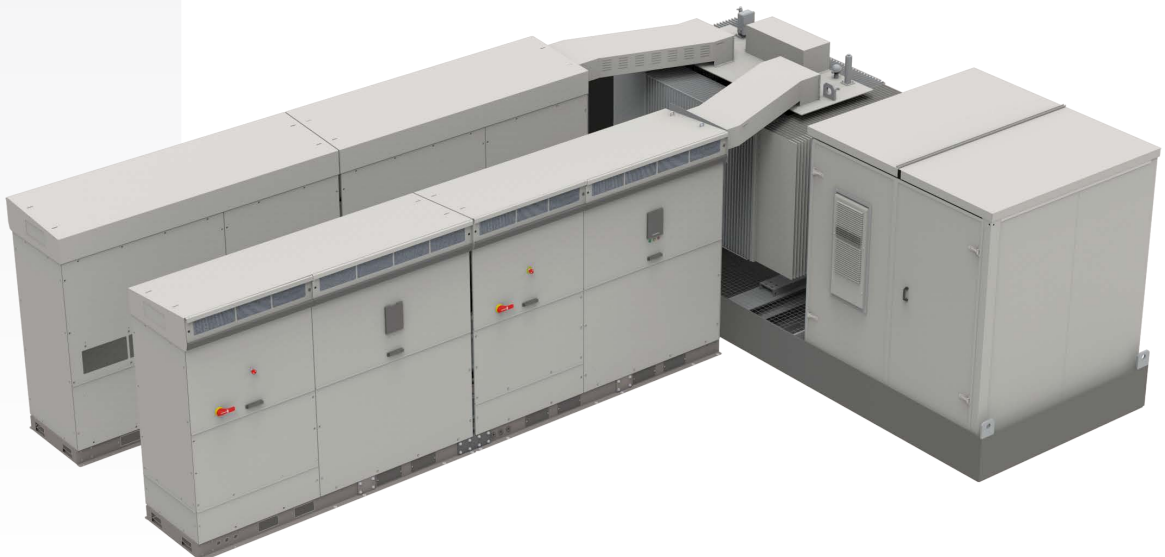
Complete accessibility

Thanks to the lack of housing, the inverters and the transformer can have immediate access. Furthermore, the design of the B Series central inverters has been conceived to facilitate maintenance and repair works.

Maximum protection

Ingeteam's B Series central inverters integrate the latest generation electronics and a much more efficient electronic protection. Apart from that, they feature the main electrical protections and they deploy grid support functionalities, such as low voltage ride-through capability, reactive power deliverance and active power injection control.

Furthermore, the electrical connection between the inverters and the transformer is fully protected from direct contact.



Medium voltage inverter station, customized up to 6.55 MVA

CONSTRUCTION

- Steel base frame.
- Suitable for slab or piers mounting.
- Compact design, minimizing freight costs.

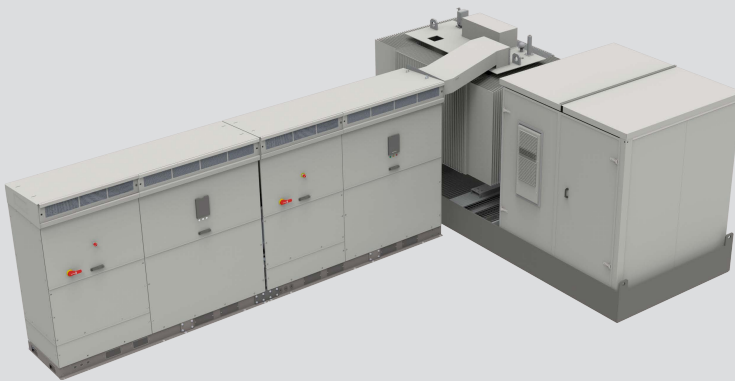
STANDARD EQUIPMENT

- Up to four inverters with an output power of 6.55 MVA.
- Liquid-filled hermetically sealed transformer up to 34.5 kV.
- Oil-retention tank.
- Shelter for installation of LV equipment.
- Minimum installation at project site installation at project site.

OPTIONS UPON REQUEST

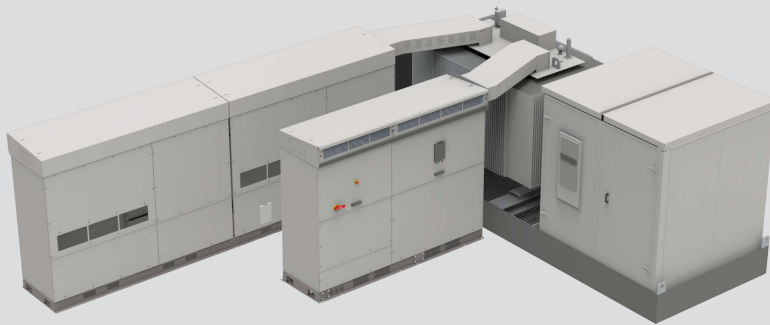
- Electrical gear as per customer necessities: low voltage distribution panels, auxiliary transformers, SCADA panels, and integration on shelter.
- Metering equipment.
- Remote communications.
- Start-up at the system site.

Three possible configurations



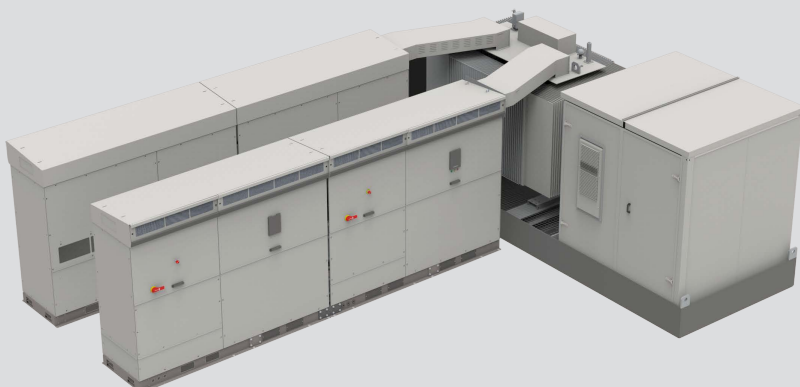
Dual Inverter Station

From 2,950 up to 3,280 kVA.



Single Inverter + Dual Inverter Station

From 4,420 up to 4,920 kVA.



Two Dual Inverter Stations

From 5,890 up to 6,550 kVA.



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