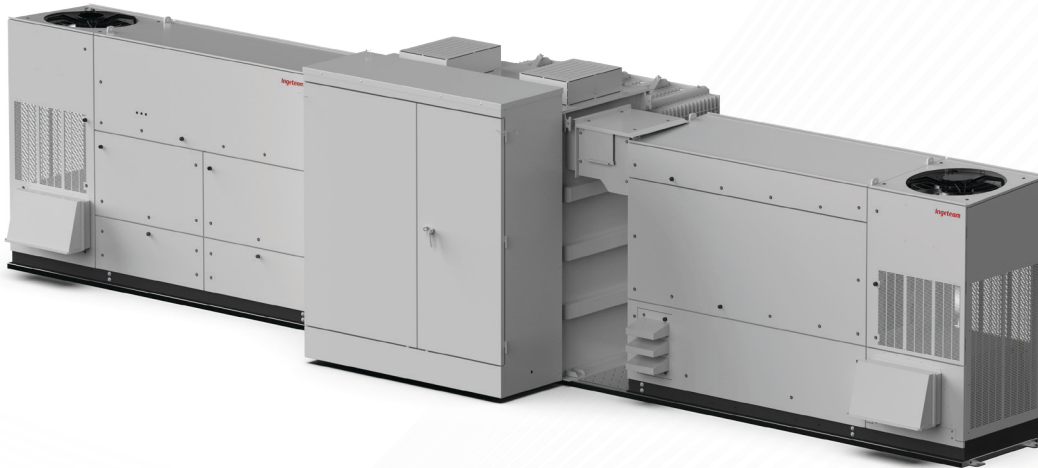


INGECON

SUN STORAGE

PAD MOUNTED U
HV C Series



MV POWER STATION UP TO 6 MVA **PAD MOUNTED TRANSFORMER STATION WITH A GREATER POWER DENSITY**

This brand new medium voltage solution integrates all the devices required for a multimegawatt system.

Maximize your investment with a minimal effort

Ingeteam's Power Station is a compact, customizable and flexible solution that can be configured to suit each customer's requirements. It is supplied together with one or two BESS central inverters. All the equipment is suitable for outdoor installation, so there is no need of any kind of housing.

Higher adaptability and power density

This Power Station is now more versatile, as it presents only two elements: the pad-mounted transformer and one or two central inverters that features the auxiliary services panel and the auxiliary services transformer installed inside the inverter. Moreover, it features a great power density.

Complete accessibility

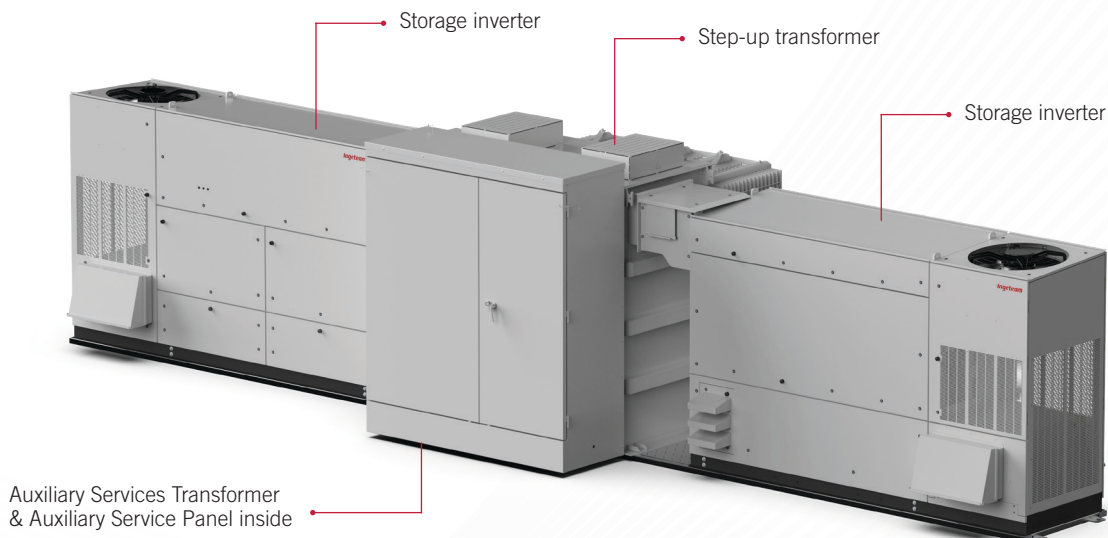
Thanks to the lack of housing, the inverter and the pad-mounted transformer with the integrated MV protections can have immediate access. Furthermore, the design of the C Series central inverter has been conceived to facilitate maintenance and repair works.

Maximum protection

Ingeteam's C 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 ridothrough 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.

MV POWER STATION UP TO 6 MVA

Pad mounted transformer station with a greater power density



Construction

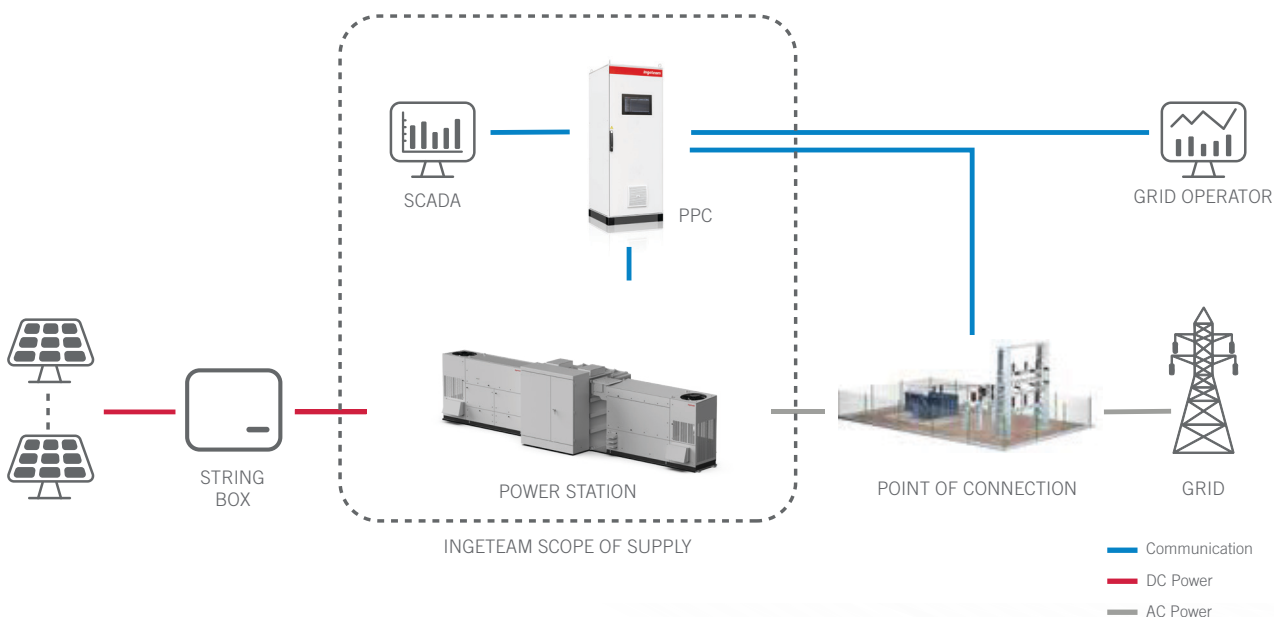
- Suitable for slab or piers mounting.
- Compact design, minimizing freight costs.

Standard equipment

- One or two BESS central inverters up to 6 MVA.
- 34.5 kV pad-mounted transformer.
- Self-powered auxiliary services panel.
- 16 kVA ancillary transformer (5 kVA for customer needs at 120 V)

Optional auxiliary services

- MCB protection.
- Surge arrester type II
- Comms switch Ethernet-F.O.
- RTU 8DI 24VDC
- Auxiliary circuits & US socket.



Specifications included in this datasheet could change without notice. Please contact Ingeteam's sales department in case of any queries.

INGECON SUN STORAGE PMT U HV C SERIES 6000

PMT U HV 6000

GENERAL INFORMATION

Number of inverters	2
Discharge/charge power @1,500 Vdc (122 °F)	6,000 kVA
Discharge/charge current @1,500 Vdc (122 °F)	4,124 kVA
Operating temperature range	from -4 °F to +140 °F
Relative humidity (non condensing)	0 - 100%
Maximum altitude	3,000 masl (power derating starting at 1,000 masl)

STEP-UP TRANSFORMER

AC voltage	34.5 kV
Cooling system	KNAN
Vector group	Dy11y11
System impedance	7-8 %
Transformer no load taps	±2.5%, ±5.0%
MV connection	600 A, dead front, loop feed bushings
MV fusing	Overcurrent protection oil immersed expulsion fuse with ELSP current-limiting backup fuse
MV disconnecter	On/Off two-position radial switch (300 A)
Efficiency at 100% load	99%

EQUIPMENT

Inverters	INGECON® SUN STORAGE U HV C Series inverters
Auxiliary services panel	Self powered version
Step-up transformer	Pad mounted transformer

MECHANICAL INFORMATION

Dimensions (L x W x H)	13,168 x 2,312 x 2,956 mm
Standards	IEC 62116, UL1741-SB, IEEE1547, IEEE1547.1, NEC CODE, Electric Rule 21: 2015, CSA22.2 No107

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