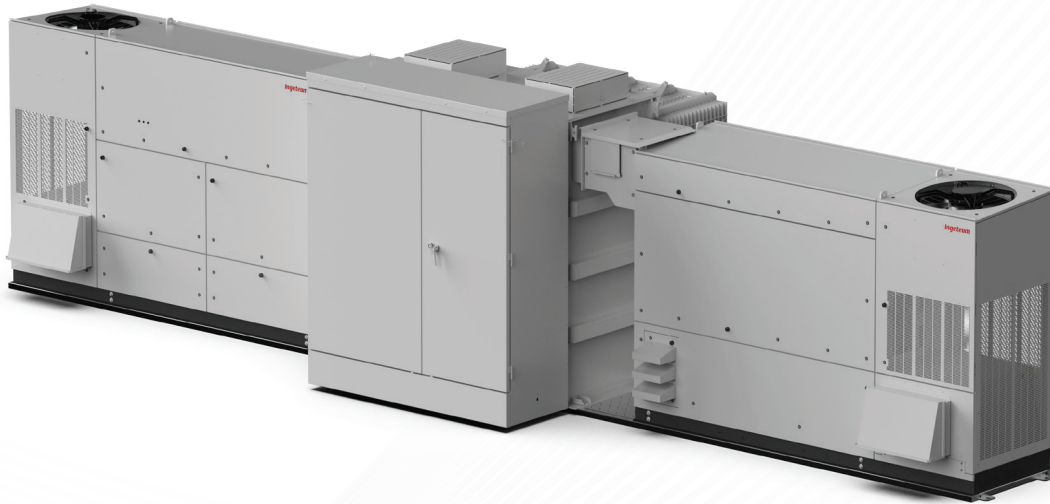


INGECON**SUN STORAGE****PowerStation PMT C Series HV UL**
1,500 Vdc

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 multimewatt 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.

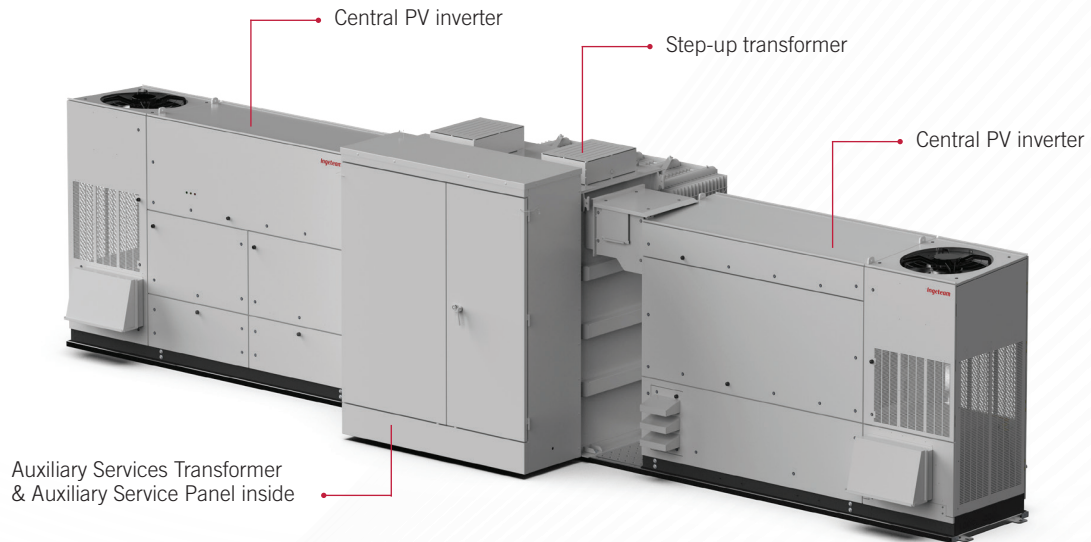
Maximum protection

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 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.

Ingeteam

MV POWER STATION UP TO 6 MVA

Pad mounted transformer station with a greater power density



Construction

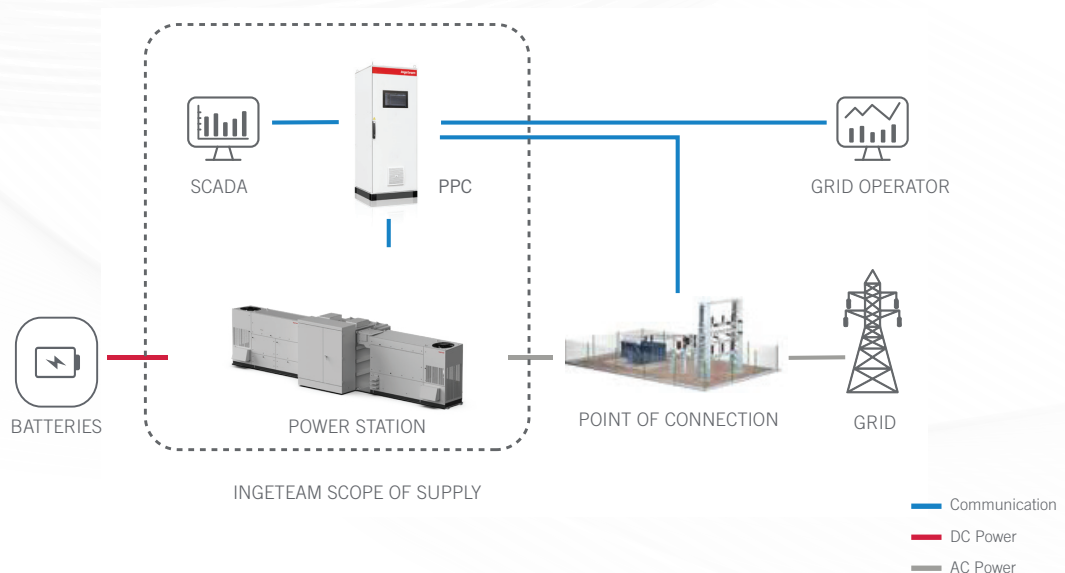
- Suitable for slab or piers mounting.
- Compact design, minimizing freight costs.

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.
- Heating kit, for operating at an ambient temperature between -4 °F and -40 °F



GENERAL DATA		3930 PMT C Series HV UL	6000 PMT C Series HV UL
Number of inverters	1		2
Discharge/charge power @1,500 Vdc (122 °F) ⁽¹⁾	3,013 kVA		6,026 kVA
Discharge/charge current @1,500 Vdc (122 °F)	2,071 A		4,124 A
Ambient operating temperature range	-4 °F to +140 °F		
Ambient operating temperature range (with heating kit)	-40 °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 disconnect	On/Off two-position radial switch (300 A)		
Efficiency at 100% load	99%		
EQUIPMENT			
Inverters	INGECON® SUN STORAGE HV U 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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