

Agg. 10/24



EP 120/100

Nominal power		Storage capacity
kVA	kW	kWh
120	96	103,6

environmental conditions	
Temperature	-10°/+40°C
Height	1000 mslm
Humidity	60%



The image is only for demonstration purposes.

weight	dimensions		
Kg	L [mm]	W [mm]	H [mm]
3200	2400	1240	2100

TECHNICAL DETAILS

ELECTRICAL DATA	Electrical system type	3F+N	
	Power factor	0,8	φ
	Voltage	400	V
	Frequency	50	Hz
	PRP Ampere rating	174	A

BATTERY	Type	LiNMC	
	Quantity	8	
	Power	120kVA/103,6kWh	
	Cycles @90%	6000	

RECHARGE TIME	20 - 90%	TBD	Hr
	20 - 100%	TBD	Hr

INVERTER	Type	Inverter trifase bidirezionale	
	Quantity	3	
	Power	120	kVA



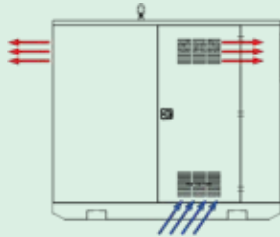
ELECTRIC PANEL



1. ComAp IntelliNeo 530 Bess control unit
2. Operation selector
3. Insulation monitoring of AC/DC network
4. Protection switch
5. Protection switch
6. Protection switch
7. Charge EV operation tell-tales
8. EV charging socket
9. Three-phase socket 400 V power distributor, 125A 5P
10. Three-phase socket 400 V power distribution, 63A 5P
11. Three-phase socket 400 V power distribution, 32A 5P
12. Three-phase socket 400 V power distribution, 16A 5P
13. Single-phase socket 230 V power distribution, 16A 3P
14. Single-phase socket 230 V power distribution, Schuko
15. Starter/shutdown connector
16. Power Locks
17. Emergency button
18. Photovoltaic panel connection connetors

OUTDOOR CANOPY

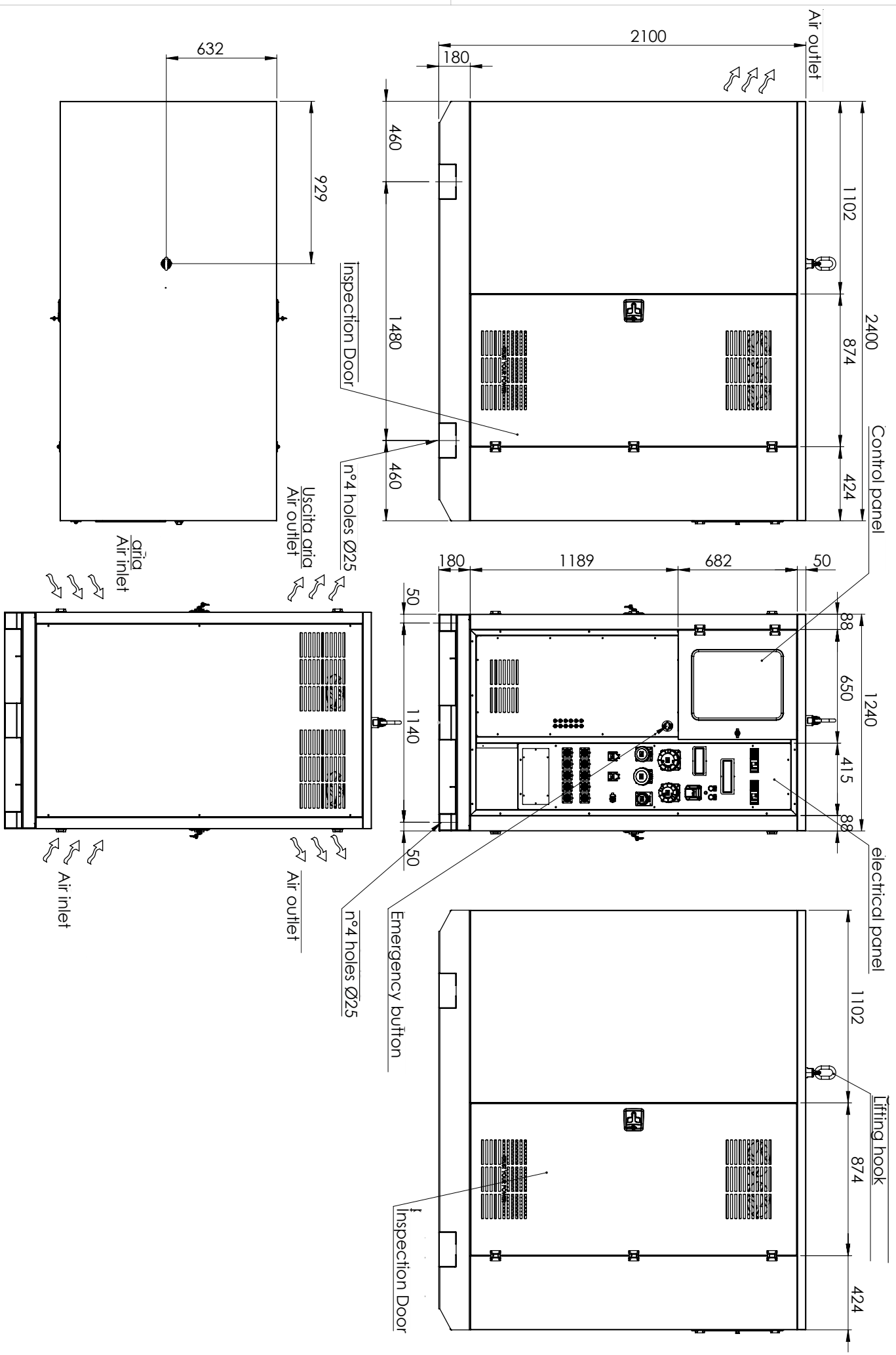


Self-supporting frame material	Galvanized steel sheet, electro-welded, minimum thickness 1,5 mm
Canopy material	Galvanized steel sheet, electro-welded, thickness between 1,5 mm
Painting	Polyester powder RAL5024 textured, outdoor-proof
Access openings	n.2 doors with key padlockable lock
Electric panel	Front side position. Dedicated door with key lock
Fresh air intake and hot air expulsion	
Lifting system	N.1 Swivel and swivel lifting ring
Support feet	Rental base

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• MEASURES ARE INDICATIVE.



TITOLO/TITLE:

EP120/100
EP120/200

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00		1.1



InteliNeo 530 BESS



Order code: INEO530BBAA

Datasheet

Controller for Battery Energy Storage System Application

Product description

- The InteliNeo 530 BESS is an advanced energy management system for directly integrating the Battery Management System (BMS) with the Power Conversion System (PCS) within a Battery Energy Storage System (BESS) as well as control, monitoring and protection of the auxiliary systems to ensure the highest level of Storage System performance.

Key benefits

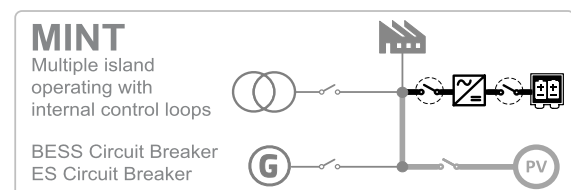
- Single controller solution for integration of the battery energy storage system components and participation in ComAp power management
- Predefined BMS and PCS devices stored within the device list save time on setting up Modbus communications
- Synchronising AC breaker control for easy addition of the battery energy storage system into a new or existing microgrid
- Controller application and integrated 5" color display are configured using InteliConfig for fast setup and commissioning

Key features

- Grid forming (V/F), grid following (P/Q) and droop (VSG) modes supported
- BMS and PCS integration via Modbus RTU/TCP device list
- Control, monitoring and protection of auxiliary systems within the battery storage system
- Direct AC voltage and current sensing
- DC voltage and current sensing via Modbus or IDC4/4 module
- AC and DC startup sequence and breaker control
- Compatible load/Var sharing and power management with other ComAp solutions
- Alarm and fault management of all components within the battery storage system
- Event-based history for fast and easy troubleshooting

- Slots for plug-in modules for 4G and GPS, additional Ethernet port, RS232/485 connection or additional binary inputs/outputs
- Secure Modbus TCP interface for higher level external control systems
- Built-in PLC interpreter with the use of ComAp's free PLC Editor
- Remote control and monitoring of your battery storage system with WebSupervisor, our cloud-based fleet management tool
- AirGate 2.0 for easy connection to your equipment remotely, without worrying about your asset's IP address User-defined protections and setpoints on top of default parameters
- Keeping your business and data safe with design to the ISA 62443 level 2 - level 3 security requirements

Application overview





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