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TRUST YOUR POWER

ECO POWER SERIES

Agg. 10/24

EP 120/100

POTENZA NOMINALE Nominal power Puissance nominale		CAPACITÀ DI ACCUMULO Storage capacity Capacité de stockage
kVA	kW	kWh
120	96	103,6

CONDIZIONI AMBIENTALI environmental conditions conditions environnementales	
Temperatura - Temperature - Température	-10°/+40°C
Altitudine - Height - Altitude	1000 mslm
Umidità - Humidity - Humidité	60%

L'immagine è puramente a titolo dimostrativo.
The image is only for demonstration purposes.
Cette imàge est utilisèe uniquement à des fins dè démonstration.

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

DATI TECNICI
TECHNICAL DETAILS - CATACTERISTIQUES TECHNIQUES

ELECTRICAL DATA	**Tipo di sistema elettrico** - Electrical system type - Type de système électrique	3F+N	
	Fattore di potenza - Power factor - Facteur de puissance	0,8	φ
	Tensione - Voltage - Tension	400	V
	Frequenza - Frequency - Fréquence	50	Hz
	Amperaggio di potenza continua - PRP Ampere rating - Ampérage de puissance en continu	174	A
BATTERY	**Tipo** - Type - Type	LiNMC	
	Quantità - Quantity - Quantité	8	
	Potenza - Power - Puissance	120kVA/103,6kWh	
	Cicli @90% - Cycles @90% - Duréè de vie utile @90%	6000	
RECHARGE TIME	**20 - 90%**	TBD	Hr
	20 - 100%	TBD	Hr
INVERTER	**Tipo** - Type - Type	Inverter trifase bidirezionale	
	Quantità - Quantity - Quantité	3	
	Potenza - Power - Puissance	120	kVA

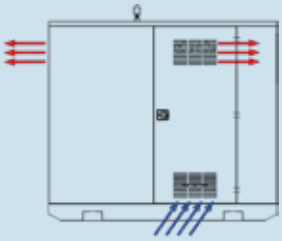
QUADRO ELETTRICO
ELECTRIC PANEL - PANNÉAU ELECTRIQUE

IT
1. Centralina elettrica di controllo ComAp InteliNeo 530 Bess
2. Selettore di funzionononamento
3. Controllo isolamento lato AC/DC
4. Interruttore di protezione
5. Interruttore di protezione
6. Interruttore di protezione
7. Spie funzionamento carica EV
8. Presa di carica EV
9. Presa trifase 400 V distributore di potenza, 125A 5P
10. Presa trifase 400 V distributore di potenza 63A 5P
11. Presa trifase 400 V distributore di potenza 32A 5P
12. Presa trifase 400 V distributore di potenza 16A 5P
13. Presa monofase 230 V distributore di potenza 16A 3P
14. Presa monofase 230 V distributore di potenza Schuko
15. Connettore avviamento/arresto gruppo elettrogeno
16. Powerlocks di potenza
17. Pulsante emergenza
18. Connettori collegamento pannelli fotovoltaici

EN
1. ComAp InteliNeo 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

ES
1. Unidad de control ComAp InteliNeo 530 Bess
2. Selector de función
3. Control de aislamiento lado AC/DC
4. Interruptor de protección
5. Interruptor de protección
6. Interruptor de protección
7. Luces de funcionamiento carga EV
8. Toma de carga EV
9. Toma trifásica 400V de 125A 5P
10. Toma trifásica 400V de 63A 5P
11. Toma trifásica 400V de 32A 5P
12. Toma trifásica 400V de 16A 5P
13. Toma monofásica 230V de 16A 3P
14. Toma monofásica 230V Schuko
15. Connector arranque/parada del grupo electrógeno
16. Powerlocks de potencia
17. Botón de emergencia
18. Connectores para la conexión a paneles solares

CABINA DA ESTERNO
OUTDOOR CANOPY - CAPOTAGE DE PROTECTION

Materiale del telaio autoportante Self-supporting frame material Matériau du cadre autoportant	**Lamiera di acciaio zincato, elettrosaldato, spessore minimo 1,5 mm** Galvanized steel sheet, electro-welded, minimum thickness 1,5 mm Tôle d'acier galvanisée, électrosoudée, épaisseur minimum 1,5 mm
Materiale della cofanatura Canopy material Matériau du capotage	**Lamiera di acciaio zincato, elettrosaldato, spessore 1,5 mm** Galvanized steel sheet, electro-welded, thickness between 1,5 mm Tôle d'acier galvanisée, électrosoudée, épaisseur entre 1,5 mm
Verniciatura Painting Peinture	**Polvere di poliestere da esterno RAL5024 bucciato** Polyester powder RAL5024 textured, outdoor-proof Poudre de polyester RAL5024 por l'externe, avec effet à peau d'orange
Aperture di accesso Access openings Ouvertures d'accès	**N.2 porte con serratura a chiave e lucchettabile** n.2 doors with key padlockable lock n.2 portes avec serrure à clé verrovilable
Quadro elettrico Electric panel Panneau electrique	**Posizione frontale. Porta dedicata con serratura a chiave** Front side position. Dedicated door with key lock Dans le côte frontal. Porte dédiée avec serrure à clé
Aspirazione aria fresca ed espulsione aria calda Fresh air intake and hot air expulsion prise d'air frais et expulsion d'air chaud	
Sistema di sollevamento Lifting system Système de levage	**N.1 anello di sollevamento girevole e orientabile** N.1 Swivel and swivel lifting ring N.1 anneau de levage pivotant et orientable
Piedi di appoggio Support feet Pieds de support	**Base rental** Rental base Base rental

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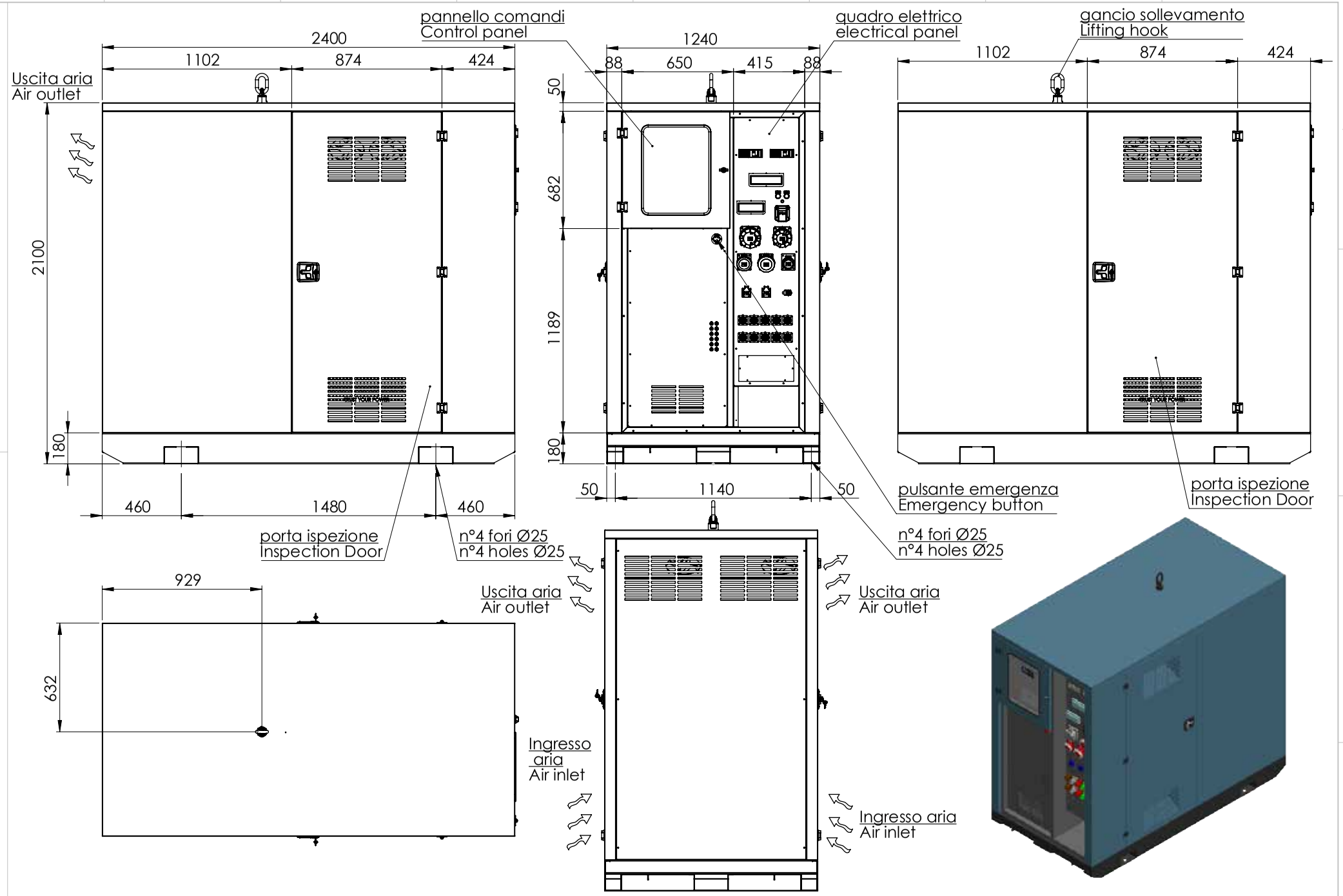

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• AI TERMINI DI LEGGE, AI SENSI DEGLI ART. 9 E 99 DELLA LEGGE 633 DEL 22/02/1947 CI RISERVIAMO LA PROPRIETA' DI QUESTO DISEGNO CON DIVIETO DI RIPRODURLO E DI RENDERLO NOTO, ANCHE IN PARTE, SENZA NOSTRA AUTORIZZAZIONE SCRITTA.
• SONO VALIDE SOLO LE MISURE QUOTATE
• LE MISURE SONO INDICATIVE

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TITOLO/TITLE:	NOTE/NOTES:	DATA/DATE	DISEG./DRAWN BY	N. DIS/DRAWING CODE
ECOPOWER	EP120/100 EP120/200	09/09/2024	S.Oliva	00-EP120-200003 _ 00
		REVISIONE REVISION 00	Descrizione Rev. Rev. description	N. FOGLIO/N° SHEET 1.1

Nome File: CGM00017025

ComAp
The heart of smart control

InteliNeo 530 BESS

Order code: INEO530BBAA

Datasheet

Controller for Battery Energy Storage System Application

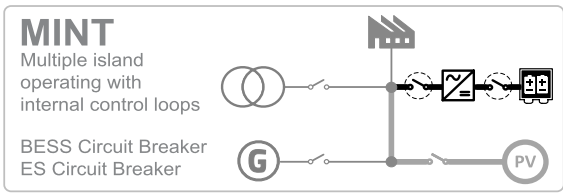
Product description

- 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