

Agg. 10/24

EP 120/100

POTENZA NOMINALE

Nominal power
 Puissance nominale

kVA	kW
120	96

CAPACITÀ DI ACCUMULO

Storage capacity
 Capacité de stockage

kWh
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 image est utilisée uniquement à des fins de démonstration.

PESO

weight
 poids

Kg

3200

DIMENSIONI

dimensions
 dimensions

L [mm] W [mm] H [mm]

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% - Durèe 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 IntelliNeo 530 Bess
2. Selettore di funzionamento
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 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 connectors

FR

1. ComAp IntelliNeo 530 Unité de commande Bess
2. Sélecteur de fonctionnement
3. Surveillance de l'isolation du réseau CA/CC
4. Interrupteur de protection
5. Interrupteur de protection
6. Interrupteur de protection
7. Témoins de fonctionnement du véhicule électrique
8. Prise de charge EV
9. Distributeur d'alimentation 400 V, prise triphasée, 125A 5P
10. Prise triphasée 400 V, distribution d'alimentation, 63A 5P
11. Prise triphasée 400 V, distribution d'alimentation, 32A 5P
12. Prise triphasée 400 V, distribution d'alimentation, 16A 5P
13. Prise monophasée 230 V, distribution d'alimentation, 16A 3P
14. Prise monophasée 230 V, distribution électrique, Schuko
15. Connecteur de démarrage/arrêt
16. Verrous de puissance
17. Bouton d'urgence
18. Connecteurs de connexion du panneau photovoltaïque

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

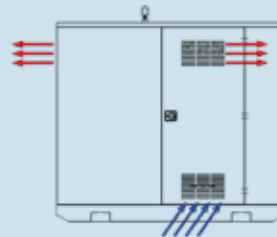
Aperture di accesso
Access openings
Ouvertures d'accès

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 électrique

Posizione frontale. Porta dedicata con serratura a chiave
Front side position. Dedicated door with key lock
Dans le côté 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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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 IntelliConfig 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

