

Hybrid emergency power system hNEA 200 connect



How the hNEA connect works

The hNEA connect consists of a battery storage unit, an inverter and a transformer. If the hNEA connect is connected to a synchronization-capable emergency power system, the electricity generated by the diesel generator can be stored in the battery of the hNEA connect. When the battery is full, the diesel engine is switched off and the battery power is fed into the grid. If production by decentralized feeders in the grid supplied by the hNEA connect exceeds consumption, the battery is recharged. The diesel engine only starts, if the state of charge (SoC) of the battery falls below a corresponding value.

The hNEA is ideal for use in rural areas with short high-load phases or for use on construction sites.

At a glance

- Built in a tubular frame container
L x W x H: 2580x2000x2450mm
- Total weight: 3610kg

Interior divided into three areas:

1st area: Buffer storage battery for uninterrupted operation

2nd area: Transformer and power outlet, central control unit

3rd area: Inverter

Easy access for maintenance:

Removable roof, each area with generous flap openings

Hybrid emergency power system hNEA

Technical data

- Length x width x height: 2580 x 2000 x 2450mm
- Total weight: 3610kg
- Hot-dip galvanized tubular steel frame



Power output connected to generator 45kW/200kW während 10s

- 100kW during 15min
- 45+50kW during 30min
- 40kW continuous generator power
- 5kW during 8h pure battery operation



Operating modes

- Mains parallel operation
- Standby mode
- Island mode
- Resynchronization



Execution options

- Battery 75kWh
- Remote access to machine control via GSM
- Location monitoring
- Communication interface for connection to higher-level control systems



Your benefits in conjunction with the existing system

- 80% diesel savings of the connected emergency power system
- 80% CO2 reduction
- Electricity feed-in from photovoltaic and other energy generation systems possible during operation of the hNEA connect
- 60% fewer operating hours
- Massive reduction in noise pollution during night-time operation and thus considerable savings in personnel costs
- High economic efficiency
 - > After 4.5 years pay-back of the additional investment (energy buffer system)
 - > After approx. 7 years pay-back of the entire hNEA
 - > After 10 years a considerable net profit results

JOST AG
Energietechnik

Obermattweg 25
CH-3550 Langnau i.E.
Telefon +41 (0)34 409 55 55
Telefax +41 (0)34 409 55 66

www.jostag.ch
info@jostag.ch