CELL POWER

CESS 261-125

The CESS 261-125 is developed for applications where flexibility and reliability are key. From grid reinforcement and peak shaving to charging hub buffering and energy trading. With over 9,125 cycles and a 10-year warranty, this system delivers long-lasting performance.
The CESS 261-125 is developed in the Netherlands, based on 35 years of battery expertise. This results in a modular energy system with a high energy density, maximum safety, and a strong focus on cybersecurity. Thanks to local service and data management within Europe, the CESS 261-125 is the scalable solution for future-oriented energy projects.

Developed in the Netherlands
Developed by a Dutch battery specialist with over 35 years of experience. Reliable, innovative, and close to home.

Easy scalable
Only four systems needed to build 1MWh - 500kW. Compact design and footprint.

Cybersecurity & Data security
All control and data processing take place in the Netherlands.
The systems are extra secure thanks to a protected network – your data remains safe.

Local service and support
Focus on local services: from installation and maintenance to training – our Dutch specialists are ready to assist you.

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GENERAL INFORMATION

Dimensions (LxWxH)	1300 x 1300 x 2374 mm
Weight	~2950kg
Housing	Outdoor cabinet
Anti corrosion level	C5
Noise level	≤75dB
Protection rating	IP55
Operating temperature	-30°C ~ +50°C
Relative humidity	20% ~ 85% (Non-condensing)
Maximum operating altitude	2000m (No derating)
Thermal management system	Liquid cooling
EMS integrations (multiplat-form)	WithTheGrid, Covolt, Embion, En-vitron and more through MODBUS TCP
Communication interface	MODBUS TCP/IP
Off-grid capability	No

BATTERY

Battery technology	LFP (LiFePO4/ Lithium Iron Phosp-hate)
Nominal Energy	261,25 kWh
Nominal Capacity	314 Ah
Nominal Voltage	832V
Voltage range (min. - Max.)	728V ~ 923V
Cycle life @0.5C / 25°C	≥7300 cycles @90% D.o.D.; 70% EOL
Cycle life @0.25C / 25°C	≥9125 cycles @90% D.o.D.; 70% EOL
DoD	100%

INVERTER

Rated / nominal AC power	125 kW
Maximum AC power	130 kW
Grid voltage	400V
Grid voltage range	340V ~ 440V
AC current	180,5A (130 kW = 187,5A)
THD	≤1,5% v (100% Load)
AC power factor	-1 (Lagging) ~ 1 (Leading)
AC frequency	50/60Hz ± 5HZ
Max efficiency	98.3%
Round Trip Efficiency (RTE)	≥92%

SAFETY

Fire supression system	Double fire suppression system; batterypack Aerosol and cabinet
Detection systems	Smoke, temperature, water and humidity sensors (H2 optional)
Warning systems	Sound- and indicator alarms; alarm forwarding possible (PAC)

EXAMPLE CONFIGURATIONS

2 pcs	522 kWh - 250 kW
3 pcs	783 kWh - 375 kW
4 pcs	1041 kWh - 500 kW
10 pcs	2610 kWh - 1250 kW
x pcs in parallel maximum	Unlimited expandability

WARRENTY & CERTIFICATE

Warrenty	10 years
Certificates battery	UN38.3; IEC 62619; UL 9540A; UL 1973
Certificates inverter	CE; IEC 62477; EN 50549-2:2019; IEC 61000; VDE4110; TÖR A/B/C/D; Synergrid; G99