

CELL POWER

CESS 5015

The CESS 5015 is developed for applications where flexibility and reliability are key. From grid reinforcement and peak shaving to off-grid backup and charging hub buffering. With over 9,125 cycles and a 5-year warranty, this system delivers long-lasting performance. The CESS 5015 is a DC battery system without an integrated inverter, making it highly adaptable to various energy configurations and compatible with a wide range of inverters. The CESS 5015 is developed based on 35 years of battery expertise. This results in a modular energy system with the highest energy density on the market, maximum safety, and a strong focus on cybersecurity. Thanks to local service and data management within Europe, the CESS 5015 is the scalable choice for future-oriented energy projects.



European quality and control

Controlled by our own software in a secure network. No external control or cloud data link outside the EU.



Highest energy density in the market

Maximum energy with minimal space.



Highest safety level to even be Placed indoors

Our systems have passed the strict UL9540A test for thermal safety.



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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EXAMPLE CONFIGURATIONS

2 pcs	10 MWh
3 pcs	15 MWh
4 pcs	20 MWh
10 pcs	50 MWh
x pcs in parallel maximum	Unlimited expandability

GENERAL INFORMATION

Dimensions (LxWxH)	6058 x 2438 x 2896mm
Weight	~4400kg
Housing	20ft high cube container
Anti corrosion level	C5
Noise level	≤80 dB
Protection rating	IP55
Operating temperature	-30°C ~ +55°C
Relative humidity	5% ~ 100% (Non-condensing)
Maximum operating altitude	4000m (≥2000 derating)
Thermal management system	Liquid cooling
EMS integrations (multiplatform)	WithTheGrid, Covolt, Embion, Environ, Flexecharge, Eniris and more
Communication interface	CAN, MODBUS TCP/RTU
Off-grid capability	Depends on PCS

BATTERY

Battery technology	LFP (LiFePO4/ Lithium Iron Phosphate)
Nominal Energy	5015 kWh
Nominal Capacity	3768 Ah
Nominal Voltage	1331,2V
Voltage range (min. - Max.)	1164,8 ~ 1476,8V
Cycle life @0.5C / 25°C	≥7300 cycles @95% D.o.D.; 70% EOL
Cycle life @0.25C / 25°C	≥9125 cycles @95% D.o.D.; 70% EOL
DoD	95%

INVERTER

Compatible with	CBI 215 - 1725 and other third-party industrial inverters
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SAFETY

Fire suppression system	Triple (batterypack, cabinet and störs coupling) fire suppression system; Aerosol
Detection systems	Gas (C3H8, CH4, H2, CO), temperature and humidity sensors
Warning systems	Sound- and indicator alarms; alarm forwarding possible

WARRANTY & CERTIFICATE

Warranty	5 years
Certificates battery	UN38.3; IEC 62619; UL 9540A; UL 1973