

# CELL POWER

## CESS 5015

The CESS 5015 is developed for applications where flexibility and reliability are central. From grid reinforcement and peak shaving to off-grid backup and charging hub buffering. With over 9,125 cycles and a 10-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.

35<sup>+</sup>

### 35 Years of Expertise

Backed by over 35 years of battery experience, ensuring proven reliability and in-depth technical know-how.



### Highest energy density

5,015 kWh storage capacity in a 20-foot container. Maximum energy, minimal space.



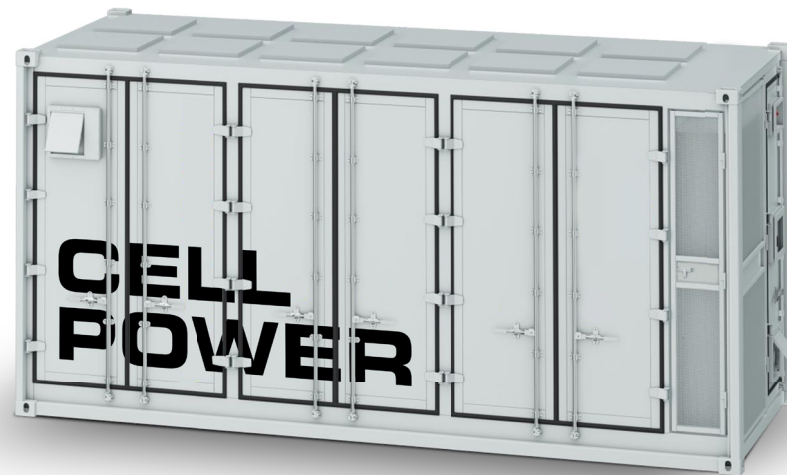
### Cybersecurity & Data security

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



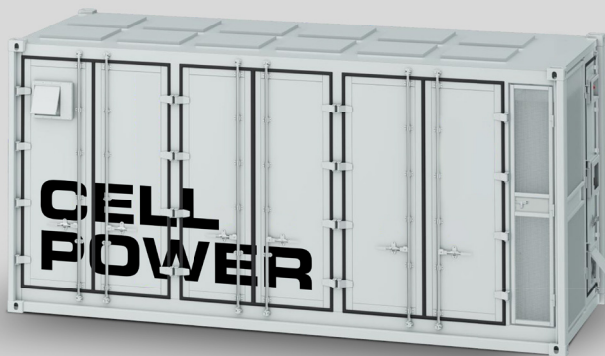
### Local service and support

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



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## 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                           | ~44000kg                                        |
| 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, Envi-tron 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             | 1331,2 V                              |
| Voltage range (min. - Max.) | 1164,8 ~ 1476,8V                      |
| 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

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

## 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 (PAC)                      |

## WARRANTY & CERTIFICATE

|                      |                                      |
|----------------------|--------------------------------------|
| Warranty             | 10 years                             |
| Certificates battery | UN38.3; IEC 62619; UL 9540A; UL 1973 |