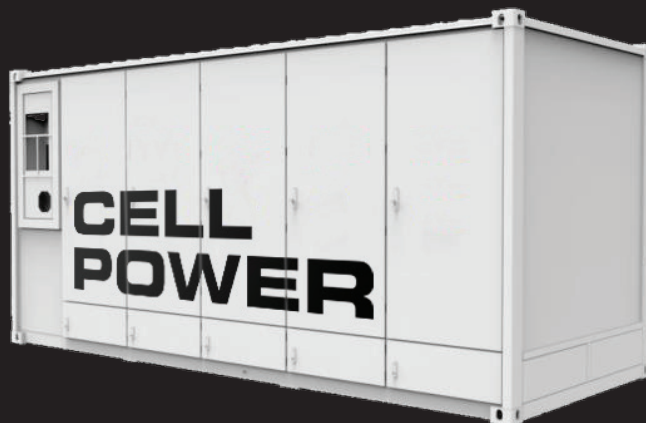


CELL POWER

CBESS - 3440

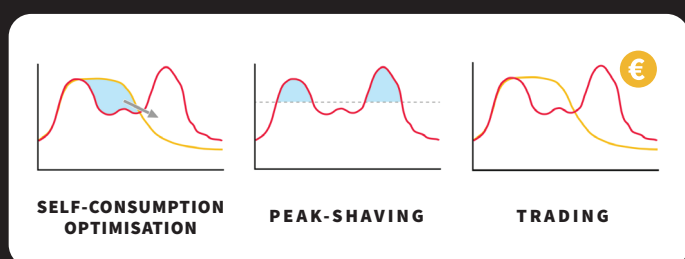


CESS 3440 is a product for high demanding customers. The Energy Storage System is a cutting-edge solution designed to revolutionize the way energy is stored and utilized

With a high energy density of 3440 kWh in a 20ft high cube container, the ESS boasts a compact and space-efficient design, optimizing its footprint while ensuring maximum storage capacity. The ESS is built with Lithium Iron Phosphate (LFP) batteries, renowned for their exceptional safety and longevity. With an impressive lifespan of 5000 cycles, the batteries offer sustained reliability, making them an ideal choice for long-term energy storage needs. With the ability to seamlessly integrate additional modules, the system can be easily scaled up to meet growing energy storage requirements, making it an ideal choice for both current and future needs.

Safety is a paramount topic, the ESS addresses this with a fire suppression system, extensive certifications and the use of one of the safest battery technologies: LFP. This system significantly reduces the risk of fire by actively monitoring and suppressing any potential hazards, providing added peace of mind and safeguarding the integrity of the stored energy. Maintenance of the ESS is made easy with its accessible design, allowing for convenient and safe inspection, servicing, and troubleshooting.

Possible applications*



- Renewable energy integration
- Peak-shaving
- Self-consumption optimisation
- Solving net congestion
- Back-up functionality
- Control via external EMS (for example energy trading focussed on the Dutch market)

*All depends on inverter and EMS



Quality system

LFP: Safe, Long-life: 5000+ cycles, high energy density, liquid cooled and PGS 37-1 compatible



Experience

35+ years of battery knowledge and 10 years of lithium knowledge within Intercel



Turn-key systems

Pre-assembled, pre-tested and plug-and-play systems. Batteries, thermal management, inverters and fire suppression systems are fully integrated

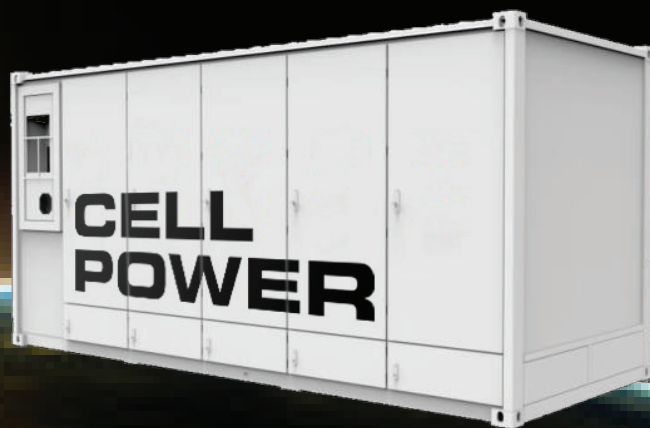


Unlimited expandability

Gridconnected unlimited expandable with the right converter. It is easy to connect additional systems.

CELL POWER

CBESS - 3440



GENERAL INFORMATION

Dimensions (LxWxH)	6058 x 2438 x 2896mm
Weight	~35t
Housing	20ft high cube container
Protection rating	IP54
Noise level	70dB@1m
Operating temperature	Charge: 0 ~ 50 °C Discharge: -20 ~ 50 °C
Relative humidity	5% ~ 95% (non-condensing)
Thermal management system	Liquid cooling
EMS-functionality	Depends on PCS
Communication interface	MODBUS TCP/IP
Off-grid capability	Depends on PCS

BATTERY

Battery technology	LFP (LiFePO4 / Lithium Iron Phosphate)
Nominal Energy	3440 kWh
Nominal Capacity	2800Ah
Nominal Voltage	1228,8V
Voltage range (Min. - Max.)	1075,2V ~ 1401,6V
Cycle life @ 0,5°C / 25°C	80% Retention with 5000 Cycles

SAFETY

Fire suppression system	Watering fire suppression system
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WARRANTY & CERTIFICATES

Warranty	5 years
Certificates battery	UL1973, UL9540A, IEC62619, CE , UN38.3
Certificate system	UN3536

EXAMPLE CONFIGURATIONS

Expandability (Depends on inverter, in theory UNLIMITED)	
6,9 MWh	2 pcs
10,3 MWh	3 pcs
13,8 MWh	4 pcs
34,4 MWh	10 pcs