

8kWh



SERVICEABLE
REUSABLE
INTELLIGENT
LONG-LASTING

LITHIUM-ION ENERGY STORAGE UNIT

OFFGEN

Powered by Aceleron

CLAIM YOUR ENERGY
INDEPENDENCE



Designed with passion,
built with care in the UK.

ABOUT ACELERON

WHO ARE WE?

Aceleron is an award-winning, innovative clean technology company, designing and building lithium-ion batteries and energy storage solutions for better performance in a better world.

Based in the UK, we make lithium-ion batteries created with true sustainability in mind. With our technology we unlock longer, improved operating life and commit to 99% recyclability. We always place people and the environment at the core of our business, ensuring that we provide peace of mind to customers across the world.

We are circular

Our lithium batteries are inspired by the natural cycles in our planet's systems, where all matter and energy is constantly transforming, serving over and over again.



ABOUT THE BATTERY

BE ENERGY SMART



EXTENDED LIFE



ALL-IN-ONE SOLUTION



PEACE OF MIND



The *Offgen* is our all-in-one energy storage solution for residential or commercial use. With increasing renewable energy access from solar PV, it now makes more sense to use all the energy you produce. Especially as feed in tariffs are decreasing globally. The *Offgen* promotes cleaner energy whilst giving you greater grid independence.

ALL-IN-ONE SOLUTION

All the components you need to begin your clean energy storage journey are contained within the *Offgen*. With its built-in solar inverter, battery management system and lithium-ion batteries, this one box solution is everything you need to produce, store and use your own electricity.



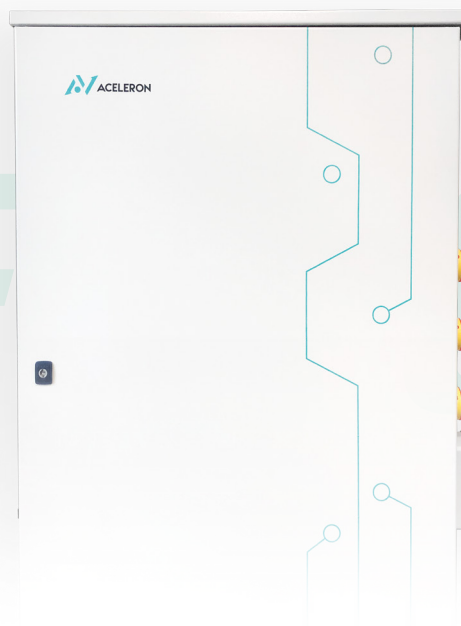
BECOME ENERGY INDEPENDENT

Experience the freedom of choice when it comes to how you power your life. With the *Offgen*, you are no longer at the mercy of utility companies or susceptible to fluctuating energy prices. The *Offgen* allows you to monitor your electricity usage in real-time, giving you control of when and how you use your energy. There is truly no better way to become energy independent.



PEACE OF MIND

With the *Offgen* you have greater energy security and resilience in the face of extreme weather or power outages, offering you one less thing to worry about. At Acleron we are committed to sustainability, helping to reduce your emissions footprint and protect future environments - offering peace of mind for your future.



OFF GEN

APPLICATIONS

ALL-IN-ONE ENERGY STORAGE SOLUTION

HOME ENERGY STORAGE

We all need to be energy smart, increasing clean energy usage through battery storage means you can use the energy you create. By storing your own energy you can have greater grid independence protecting yourself from rising energy prices.

Self consumption: In line with empowering communities the *Offgen* can be used to entirely power homes with clean solar energy for off-grid homes.



COMMERCIAL & INDUSTRIAL BACK-UP

The *Offgen* is modular it can be stacked to increase energy storage capabilities to meet your commercial or industrial needs. The patented battery technology of our lithium-ion batteries means your storage capacity can be easily upgraded.

Back-up power: store emergency power to feed critical loads within your home or commercial space.

GRID SERVICES

Remote battery monitoring means the *Offgen* can be managed across multiple units in different locations, creating a virtual power plant for energy providers to manage. The robust back-up systems with excellent charge capacity would create a reliable network of clean energy powered households, independent of the fluctuating grid system.

Grid Export: The *Offgen* allows you to supply excess energy automatically or on-demand to supplement the national grid with cleaner energy.



BENEFITS & FEATURES

OFFGEN IN DETAILS



All-in-one solution

One box solution equals a stress-free installation experience



20+ year lifespan

Serviceable solution matching the lifespan of your solar PV investment



3 install configurations

The *Offgen* is versatile and can be installed in three configurations: AC, DC or UPS.



Remote battery monitoring

Predictive intelligence systems sending real-time performance data



Made in the UK

Designed by Acleron's engineering team in the UK and manufactured at our partner site in Yorkshire.

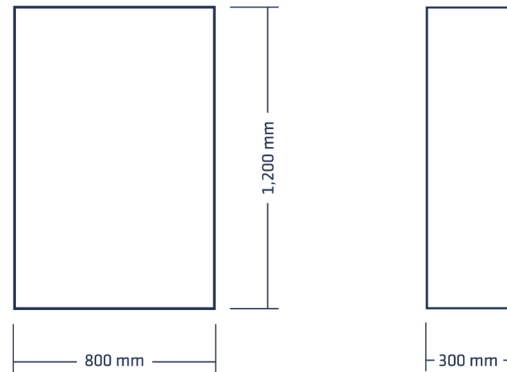


Durability

Weatherproof one-box solution, suitable for outdoor installation

TECHNICAL DATA

OPERATING CONDITIONS	
Peak Power	5.5 kW
Total Energy Capacity	10 kWh
Functional Energy Capacity	8 kWh
Operating AC Voltage	230V
Integrated Power Management	Pure sinewave inverter Dual MPPT charge controller Li-ion battery charger
Efficiency	93%
Battery Charging	Solar and Grid
Solar Charger Type	Dual MPPT
Monitoring	3G remote monitoring grid and PV



OFFGEN 8 kWh system dimensions

MECHANICAL	
Chemistry	Cylindrical - NMC
Case Dimensions	L300 x W800 x H1200 (mm)
Weight	98 Kg
Mounting	Floor/Wall
Casing	Metallic Grey
Enclosure rating	IP65 compliant

AC SPECIFICATIONS	
AC OUTPUT/INPUT Voltage Range	220-240 V
Max AC OUTPUT/INPUT Current	25 A / 15 A
AC Frequency	50/60 (auto sensing)
Surge rating	6,000 VA
INPUT/OUTPUT Connections	Integrated: AC INPUT (rotary) AC OUTPUT (rotary) 2 string PV INPUT (rotary)
Available Configurations	1 phase/L1 N G

DC SPECIFICATIONS	
Chemistry	Li-ion (NMC)
Battery Voltage	44 V
Cycle Life	5,000 cycles*
Max Solar Charging	2 x 13 A
Max AC Charging	60 A
Max PV Input	6.5 kW

TEMPERATURE	
Storage Temperature	-10 to 50°C
Discharge Temperature Range	-10 to 50°C
Charge Temperature Range	-10 to 50°C

*The OFFGEN unit provides a service backed warranty from 5,000 cycles



ACELERON LTD, 22 Gas Street,
Birmingham, England B1 2JT

www.aceronenergy.com



As part of our commitment to the environment, we take extra care in choosing responsible suppliers for our marketing materials.