
ANTON BAUER
SALT-E DOG
Big Production Power,
Small Carbon Footprint.

SALT-E DOG

9kWh Sodium Sustainable Power Supply

The Future of Sustainable Production

The future of sustainable production is here. Exciting developments in sodium battery technology are changing the game for clean energy storage in the motion picture and television industry and Anton/Bauer is leading the way.

Powering towards a greener future

With the growing concern for our planet's well-being, it's time for the motion picture and television production industry to step up and embrace sustainable production methods. Going green doesn't just benefit the environment, it can also save money and enhance brand reputation. The industry can implement eco-friendly practices like using renewable energy, minimizing waste and carbon footprint, and even sourcing locally.

To encourage this transition, the US government recently introduced the Clean Energy for America and Inflation Reduction Acts that incentivize the use of renewable energy. The industry is also adopting the "Albert" certification, a program that promotes sustainable practices on set. With the industry's potential to inspire and educate audiences, it's exciting to imagine a future where sustainability is at the heart of every production.

Moving on from the fossil age.

Most of the production gear you use on set has developed over the years. But there is still one thing that is stuck in the fossil age: portable power. The entertainment industry has long relied on diesel or gas generators to power productions off the grid, but these traditional options come with a host of drawbacks. Generators are noisy, cumbersome, and emit harmful pollutants like CO2 and NOx. They require costly insurance and specialist operators, and a mountain of permits and paperwork before you can power up.

Switching to an electric solution eliminates these issues. Electric power products produce significantly less noise, have zero harmful emissions, and are lighter and more portable than traditional generators. This allows you to place the equipment closer to your set, reducing setup times and cable requirements.

So, what are the options?

Diesel

Widely available but high emissions, noisy and unreliable in extreme weather.

Biofuel

Lower emissions than diesel but still noisy and emits CO2. Expensive and not widely available.

Hydrogen

No emissions but not widely available. Expensive with limited storage time.

Lithium

Silent, with no emissions. Limited storage capacity and hazardous.

The greener option

The benefits of an electric power supply over diesel- or gas-powered generators are clear to see. But not all electric power solutions are equal. Most use lithium-ion batteries, but there is a better option: sodium.

As one of the most abundant materials on earth, sodium is a more sustainable solution than rare earth materials like lithium or cobalt. It is also easier to recycle, making it a cleaner option from start to finish. Sodium batteries are safer than lithium-ion. With no risk of fire or explosion, they are flight safe and eliminate the need for a fire marshal and specialized fire containment equipment.

Compared to lithium solutions, sodium batteries are more efficient, with longer lifespans and cycling capabilities, lasting up to 40% longer. These factors make a sodium chemistry battery a smarter and better long-term option for anyone looking for a more sustainable and efficient power source.

Sodium

No pollution. No noise. Recyclable. Sustainable source.
Long lifespan. Scalable. Safe to store and use.

Green your scene

The Anton/Bauer Salt-E Dog 9kWh sustainable power supply harnesses the power of sodium chemistry. To provide a consistent and eco-friendly source of AC or DC power. Compared to gas generators and lithium power supplies, it offers a quieter and cleaner alternative.

Designed specifically for the motion picture and television industry, it delivers a pure sine wave output, ensuring reliable performance for sensitive equipment like cameras and lights. No longer will you have to rely on heavy industrial generators that aren't optimized for your needs.

It's silent and emission-free operation makes Salt-E Dog the perfect solution for productions to meet carbon-neutral or net-zero sustainability goals without compromising on high-quality power.

Sodium: Power up Your Sustainable Production Score

The future is now.

Picture the scene. You walk onto a film set where the air is clean, the sound of birds singing in the distance fills your ears, and there's no need for anyone to yell to be heard. You don't need to trek a mile to reach make-up, craft or catering and there are no trailing cables to trip you up. This is the future of movie production powered by sustainable energy. The heart of this scene is sodium power - a clean and efficient energy source that is leading the way towards a more sustainable future for film and TV production. With sodium power, there's no need to compromise on environmental impact or quality of production. It's a bright and sustainable future, and the best part? It's already here.

Did You Know?

The name sodium comes from the Medieval Latin word 'sodanum', which means "headache remedy." No wonder Anton/Bauer sodium power solutions remove all the stress from sustainable film production!

Sustainable and safe power - It's elemental!

And that element is sodium. As the sixth most abundant element on earth, sodium makes up about 2.6% of the earth's crust, making it more widely available and economically viable than lithium or cobalt. But that's not all.

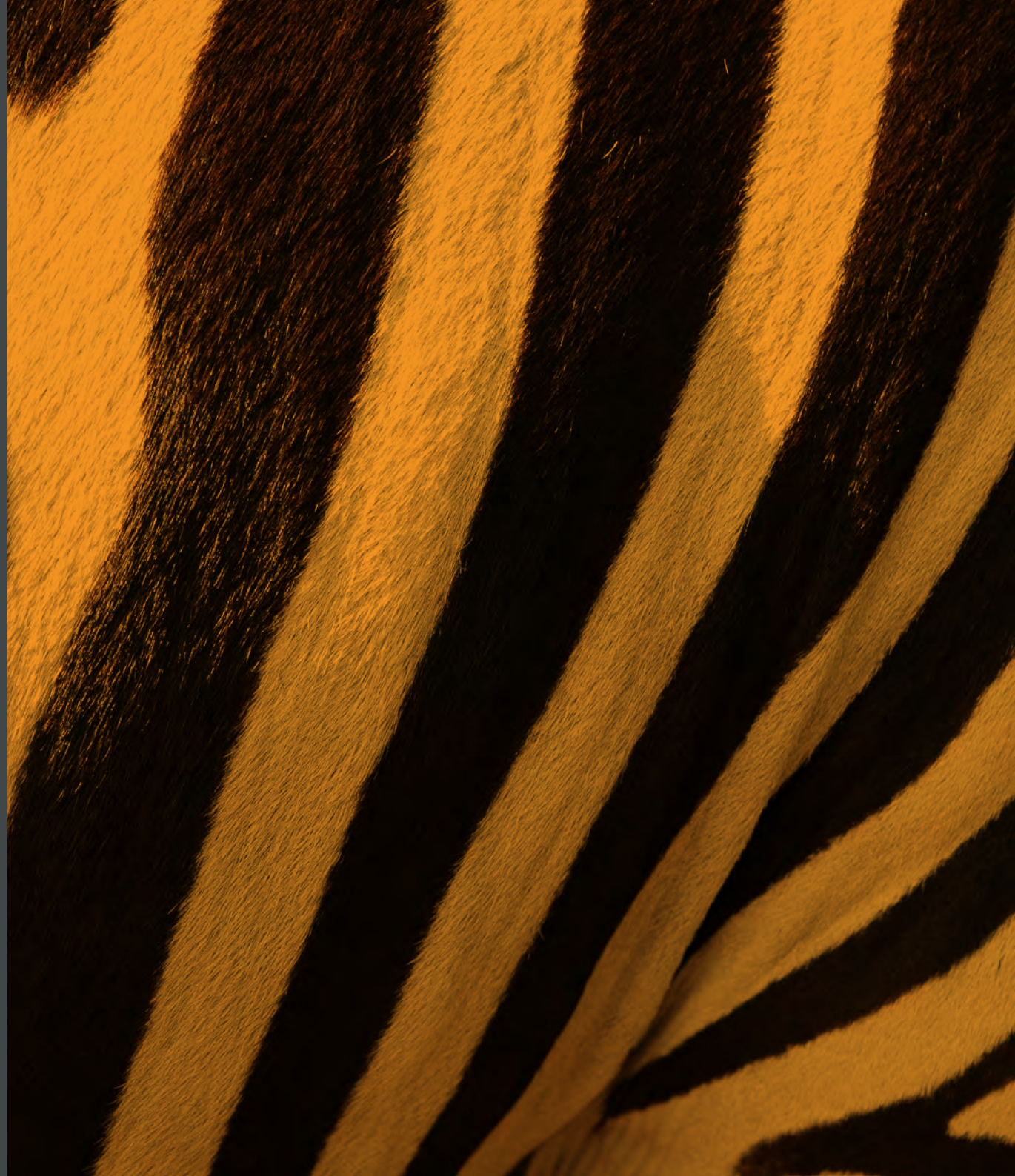
Sodium is also better for the environment because it doesn't require the environmentally destructive mining methods used for lithium or cobalt. And for safety, sodium batteries have a lower risk of overheating or catching fire compared to their lithium or cobalt counterparts. You can even transport them at zero volts, making them safe for transit. By switching to sodium batteries, we can build a more sustainable and socially responsible future for battery technology.

Powered by Zebras.

Sodium nickel batteries, also known as NaNiCl2 or ZEBRA batteries, are powered by a molten salt electrolyte and solid electrodes made of nickel and sodium chloride. When charged, these batteries move sodium ions from the anode to the cathode and back again during discharge, generating electrical current.

Lithium-ion batteries use a lithium compound electrolyte and graphite anode and metal oxide cathode. The main difference between these two battery types lies in their construction materials.

Sodium nickel batteries use more abundant and easily available materials, and they have a longer lifespan and wider operating temperature range compared to lithium-ion batteries, which require rare metals like cobalt and lithium. This makes sodium nickel batteries ideal for applications such as grid-scale energy storage and large, power-hungry production gear.



SALT-E DOG

9kWh Sodium Battery

Big Production Power - Small Carbon Footprint

The Anton/Bauer Salt-E Dog is the first sodium battery designed and **built for the motion picture** and **television industry**.

Using sodium chemistry, the 9kWh battery delivers consistent, reliable power that is **cleaner and more environmentally safe** than fossil fuel or lithium generators.

With **no noise, and no pollution**, Salt-E Dog helps productions to deliver on net-zero sustainability pledges and maintain quality standards without compromise.

Patent Pending

6000W Continuous output

Flexible charging options including Solar PV & Level 2 EV

4 x 120V 20A AC outputs

4 x 28V 16A XLR3 outputs

4 x 48V 16A XLR3 outputs

1 x Female Stage Pin 125VAC, 50A

2 x USB-C outputs

7 Inch color touchscreen display

5 Year Warranty

Quiet & Clean In Any Scene

For location work or any production that demands emission-free and practically noiseless power, Salt-E Dog has you covered. The sodium-based power source is the perfect way to create a healthier and more pleasant environment for your cast and crew.

Emission free

Unlike gas generators, Salt-E Dog produces no harmful CO2 or NOx emissions, And, with no pollution comes greater location flexibility for your production.

Whisper Quiet

Near silent operation means a better working environment and no time-consuming ADR work. Plus, its quiet operation allows it to be placed closer to your set, lights, and other equipment.

Weatherproof

With its IP55 rating, Salt-E Dog can handle any kind of weather. It matches the IP rating of most fuel generators and beats most ‘lithium’ solutions to provide reliable weatherproof power.

Flexible Freedom

The perfect off-the-grid or on-the-go power source for your production, thanks to its robust construction and portable design. Recharge from a range of convenient sources, including grid power, solar PV, and Level 2 EV charge points.

Pure Power

A pure sine wave output means no risk of dirty power causing damage to sensitive equipment. Its clean and stable output matches grid power so you can power your set with confidence, capturing every shot without a hitch.

Safe On Set

Safety is key, and the sodium cell technology in Salt-E Dog delivers a safer and more secure production experience. Safely place the unit near equipment, in vehicles, or even with talent with no risk of thermal runaway or fire. Eliminate the need for fire marshals on set, water trucks, and lower insurance premiums.

Real Time Smart Display

Take charge and plan power usage with the 7” display. The touch screen shows real-time capacity, time-to-empty or time to full charge in hours and minutes, along with access to system settings.

Sustainable Power for Hours

With 9000Wh of safe and sustainable sodium nickel cells, Salt-E Dog delivers up to 6,000W of pure sine wave power to run your entire production off-the-grid wherever you need it.

Litepanels Gemini 2x1 Hard
18 hours

5 x Litepanels Gemini 2x1 Hard
3 hours, 36 Mins

3 X ARRI M8
3 hours, 45 Mins

ARRI M18
3 hours, 31 Mins

ARRI M40
1 hour, 38 Mins

3 X CreamSource Vortex 8
4 hours 32 mins

100% Recyclable

The sodium cell is 100% recyclable, making it a sustainable choice, it also has a much lower GWP rating than lithium-ion batteries, at only 62.68Kg CO2 eq/kWh. So you can be confident you are using the most environmentally friendly product available.

Technical Specifications

Battery Info

Capacity	9kWh
Cell Chemistry	Sodium Nickel Chloride
Life Cycle	4500 cycles (80% DOD)
Invertor Type	Pure Sine Wave (+/- 2%)
Shelf Life	20 years

Inputs

AC Adaptor	20A IEC 320-C20
EV Charger	CCS Level 2 (J1772)
PowerCon	True1 TOP (20A)
Solar PV	48-98V
Voltage Range	90-140 VAC

Outputs

AC Output	4 x 120VAC 20A
XLR3	4 x 28VDC 16A 4 x 48VDC 16A
USB-C	2 x USB-C 5-20V, 100W
Stage (Bates)	125V, 50A Female
Max Continuous Output	6000W

Recharge Times

AC Adaptor	≈10 Hours 0-100% ≈6 Hours 0-80%
EV Charger	≈11 Hours
Solar PV	≈12 Hours (With prime sunshine, ideal orientation and low temp)

General

Display	7" touchscreen
Weight	598 lbs (271 kg)
Dimensions (inc tires)	29.5 x 51.9 x 39.3" / 75 x 132 x 100cm
Tires	12" puncture-proof
Operating Temp	14-140F (-10 to +60C)
Storage Temp	14-140F (-10 to +60C)
Certification	IEC62984 (Pending)
Warranty	5 Years

Making Film & TV Production Greener

The motion picture industry has a significant environmental footprint, as highlighted by the Sustainable Production Alliance (SPA) carbon footprint report. Between 2016 and 2019, SPA's member company productions showed average carbon emissions that demanded attention. Tentpole productions had an average carbon footprint of 3,370 metric tons (approximately 33 metric tons per shooting day), while large films averaged 1,081 metric tons and small films averaged 391 metric tons. On the TV side, one-hour scripted dramas recorded an average of 77 metric tons per episode, while half-hour scripted single-camera shows had 26 metric tons per episode. Just for comparison, the University of Michigan reported that the typical carbon footprint of a U.S. household in 2021 was 48 metric tons per year.

Carbon Offsets

The Salt-E Dog offsets greenhouse gas emissions, allowing productions to offset 2.6 kg of CO_2 and associated NO_x per liter of fuel saved.

Reducing Carbon Footprints

3370	1081	391	77	26
Tons	Tons	Tons	Tons	Tons
Tentpole Film	**Large Film**	**Small Film**	**One Hour TV**	**Half Hour TV**

When it comes to film and TV productions, fuel consumption in production vehicles and generators accounts for the largest portion of greenhouse gas emissions, representing 48% to 56% of emissions for films and 58% for scripted TV dramas.

Here's an eye-opening fact: Burning one liter of diesel produces 2.6kg of CO_2 and 49g of NO_x, both harmful to the environment and the health of anyone nearby. That's why Salt-E Dog is a game changer. With no harmful emissions, productions can save up to 11,800kg of CO_2 and 222kg of NO_x per year for each fuel generator swapped to a Salt-E Dog (based on a typical 8-hour day). And that's not all – it's also portable, silent and weather-resistant, making it the perfect eco-boost for your production.

Pure Power,
No Compromise

In the dynamic world of motion pictures and television, safeguarding your valuable equipment is paramount. Cameras, lights, monitors, editing systems, and other production gear are the lifeblood of a smooth and efficient production process. However, any interruption in power can pose a significant risk, potentially leading to equipment damage that can drain your time and budget with costly repairs or replacements.

It's crucial to have a reliable power source that ensures maximum protection and minimizes the chances of expensive mishaps. This aspect is sometimes overlooked when planning energy requirements for a film shoot, resulting in a potentially pricey oversight. Anton/Bauer makes no compromise with safety, so the Salt-E Dog has a stable pure sine wave output and the unit is IP55 rated to be weatherproof.

With Salt-E Dog's clean and stable power output, you'll have no concerns about dirty power wreaking havoc on your delicate lighting and audio equipment. Its pure sine wave output matches the quality of grid power, providing you with the confidence to power your set flawlessly. So rest easy and focus on capturing every shot without a hitch.

The old way

TV and film sets heavily rely on expensive, noisy, and polluting fuel generators as their main power source. Just take a look at the setup in this image—it costs around $100k and takes approximately two days to set up on-site. Here are some key points to consider about these generators:

- Generators are loud. The average generator emits approximately 73 decibels of noise, causing not only health issues for the crew but also disturbances for the general public.
- Because of the noise, they need to be placed at least 400m away from any camera position. The resulting noise often needs to be edited out in post-production.
- One litre of diesel fuel contains 0.73Kg of pure carbon.
- Burning just one liter of diesel fuel releases 2.6Kg of CO_2 and 49g of NOx, contributing to greenhouse gas emissions.
- NOx emissions are 300 times more harmful than carbon emissions.
- With all these detrimental factors in mind, it's clear that there's a pressing need for a cleaner and more efficient alternative on TV and film sets.

Equipment Needed:

1. Traditional Generator

2. 3 Phase Cable

3. Cam-Type Spider Box

4. 4/0 Feeder Cable

5. 3 phase Distro Box

6. Single Distro Box

7. XLR Cable

The Simple & Sustainable way

Salt-E Dog offers a simple and sustainable approach to address environmental and noise challenges. With multiple AC and DC outlets and a pure sine wave output, Salt-E Dog reduces the need for extra equipment and eliminates expensive 3-phase cables.

- With its whisper-quiet operation, it can be placed closer to the set and eliminating the need for time-consuming postproduction edits to remove generator noise.
- Its sodium-based battery cell eliminates the costs and hazards associated with using and storing fuel. It emits no CO2 or NOx pollutants, creating a cleaner and more pleasant working environment while reducing the carbon footprint of your production.
- Salt-E Dog is the practical and eco-friendly solution to improve your workflow while prioritizing the well-being of your team and the environment. Join the pack and experience the future of sustainable production.

Equipment Needed:

1. Salt-E Dog

2. XLR Cable

Why Anton/Bauer?

Anton/Bauer has a long-standing track record of industry innovation, such as introducing the first camera battery mounting system, the industry's first viewfinder battery fuel gauge and the industry standard P-Tap. Our pioneering achievements have earned us an Emmy and Oscar for outstanding achievements in science and engineering.

Today, as sustainability and reducing carbon emissions become more crucial in the entertainment industry, Anton/Bauer is taking an important step forward in minimizing environmental impact and leading the way in sustainability.

With the adoption of sodium battery technology, we provide a significant opportunity for film and television production to reduce greenhouse gas emissions and offer a safer, more cost-effective alternative to traditional battery options.

Technology & Engineering Emmy Award winner

For the Development of Advanced Battery Technology for ENG/EFP.

Powered by Anton/Bauer

UNIVERSAL · Disney · NBC · abc · CBS · FOX

CNN · NEP · SPORT · C-SPAN · BIG NETWORK

KESLOW CAMERA · OTTO NEMENZ · PRG · ARRI Rental · PANAVISION

Televisa · tv azteca · américa · CANAL RCN nuestratele · CARACOL TELEVISIÓN · TyC Sports

ANTON/
BAUER's
Scientific &
Engineering
Academy
Award

Battery Pioneers

For over 50 years, we've been the driving force behind mobile power technology. Our cutting-edge research and development has revolutionized the industry, with many of our patented features now considered the gold standard in batteries worldwide.

Safety First

We have a no compromise attitude to safety and reliability. Our batteries are built with premium components and materials, and we use only the highest quality power cells to ensure consistent and dependable performance for your production.

Industry Originals

We're dedicated to the art of motion picture and television production. Our power solutions are specifically designed to deliver consistent and reliable power to achieve peak performance for your cameras, lights, monitors and other production gear.

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