

TRANSPORTER ENERGY MARINE



THE FUTURE OF POWER IS HERE

20x
faster
charging

60%
lighter

4x
more
power

200%
longer
output

10x
more life
up to 15
years

Lithium-ion phosphate LiFeP04 batteries for limitless green energy



The **only CE and Intertek approved battery** available in the UK and Europe

FIT AND FORGET BATTERY TECHNOLOGY



10 year
warranty

200%
longer
power

60%
lighter

400%
more
power

20x
faster charging
than lead or gel
leisure batteries

10x
more life
up to 15 years



- ✓ **LASTS UP TO 15 YEARS**
- ✓ **OVER 60% LIGHTER**
- ✓ **3X THE POWER OF LEAD BATTERIES**
- ✓ **95% RECYCLABLE**
- ✓ **CHEAPER THAN LEAD BATTERIES
OVER 15 YEARS**
- ✓ **90% CHARGE AFTER 1 YEAR OF NO USE**
- ✓ **FASTER CHARGING**

SPREAD THE COST WITH 0% FINANCE

intertek

Total Quality. Assured.

CE intertek
Total Quality. Assured.

THE FIRST AND ONLY APPROVED BATTERY IN THE UK AND EUROPE

intertek
Total Quality. Assured.

BRITISH
MARINE

CE
APPROVED



GOV.UK



THE ONLY LITHIUM-ION BATTERY WITH CE AND INTERTEK APPROVAL

Achieving the highest levels of safety

Safety and quality have always been our top priorities, and rigorous research and testing is carried out to ensure our products always reach the highest possible standards.

Our battery is the only lithium leisure battery to have passed Intertek's highest assessment first time, a standard which demonstrates it is safe enough to be transported by plane; a rare honour indeed.

10 YEARS' WARRANTY AS STANDARD

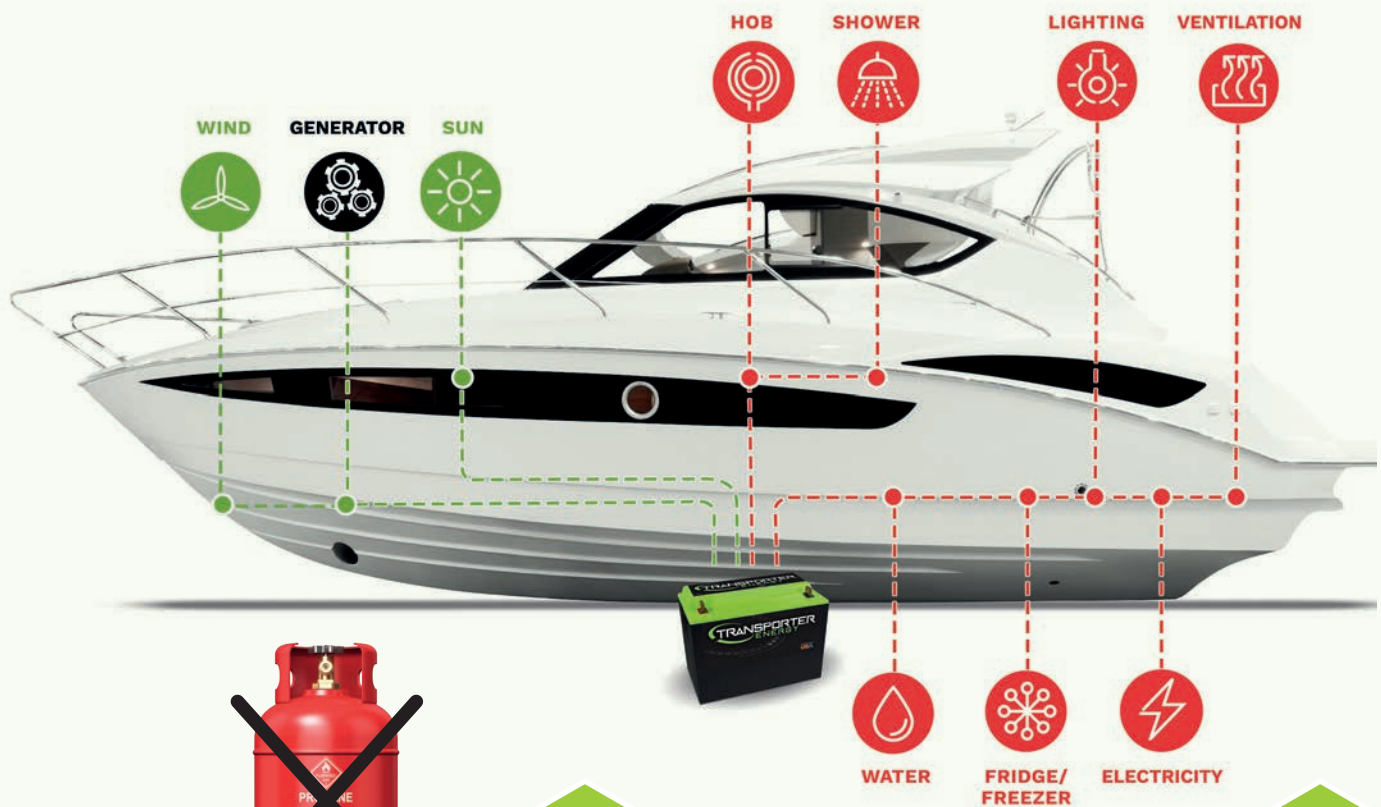
Covering the battery for any manufacturing defects

The last thing you want to be worrying about is your battery. That's why Transporter Energy gives you a market leading warranty which covers the battery for any manufacturing defects for up to 10 years, or 5,000 cycles at 80% discharge, whichever is sooner. In the unlikely event that you need to claim, we will replace the battery or give you a refund towards a new one so that you can get on with enjoying your leisure time.



MADE IN THE USA

POWER MORE APPLIANCES FOR LONGER AND SAFER



NO MORE GAS CHECKS

Travel further with confidence

Save time and money – with no gas appliances on board there's no need to worry about safety checks and certification.

Going electric isn't just more convenient and cheaper, it's safer too eliminating the risk of fire or explosions and potentially toxic fumes. Meaning you'll be able to put all your energy into enjoying the moment and seeing the world.



DON'T FORGET

Carbon monoxide can't be seen, smelt or heard.
Stay safe and choose
Transporter Energy power.

50% LESS GENERATING TIME

Receive optimum power for longer

Lithium-ion batteries can discharge almost 100% of their power without suffering any loss of efficiency, giving you up to 50% more usable power than a traditional battery, saving you money on fuel. Less time spent charging means more time doing the things you love.

And Transporter Energy batteries will still be going strong, even after years of constant use. They retain up to 80% of their rated capacity, even after 5000 cycles; that's a life of around 13 years.



10 YEARS WARRANTY AS STANDARD

Our batteries are durable and practical, and carefully designed to withstand whatever life throws at them, even in tough conditions. And even though we don't think you'll need it, every Transporter Energy battery comes with an unbeatable 10-year warranty against manufacturing defects.

If anything does go wrong, we'll replace the defective battery, or give you a refund towards a new one, keeping you powered up whatever you enjoy doing.



HARNESS THE POWER OF THE SUN

When paired with solar panels Transporter Energy batteries have the potential to help you create virtually limitless green energy. Whether you are in a remote location or want to improve your carbon footprint, lithium-ion storage is an efficient, maintenance free way to harness the power of the sun and create a greener future.

IT'S SO SAFE, IT'S APPROVED TO FLY

Transporter Energy lithium-ion batteries are safe enough to be transported by plane; that means they conform to the highest possible standards.

Intertek is a leading global quality assurance provider. It has rigorously tested and inspected our products, and certified that they meet the most demanding safety standards. In fact, Transporter Energy lithium-ion batteries are the only make to have passed Intertek's highest assessment on the first attempt.



WHY GO LITHIUM?

- ✓ 60% lighter at only 13kg
- ✓ More than double the power output
- ✓ 10 year guarantee, life expectancy 15 years
- ✓ Guaranteed 5000 cycles
- ✓ Last up to 15 years
- ✓ Equivalent to at least 11 x Victron AGM 110AH batteries across whole life cycle
- ✓ 7 x cheaper per amp hour compared to Victron AGM 110AH
- ✓ Can be charged from 0 to 100% in one hour
- ✓ Faster, more efficient charging from solar
- ✓ Built in patented BMS (battery management system)

0% INTEREST FREE AVAILABLE



GOES LITHIUM



POWERING THE DREAM

Gas free and fully electric by Transporter Energy

SV Delos is a sailing boat, bought by captain Breeyawn in 2008, that has taken its crew to 45 countries, clocking up over 70,000 ocean miles. The crew's core is made up of captain Breeyawn, Alex, Brady who joined in Mexico and Karin who joined in New Zealand, although many people join the boat for periods of its journey.

Aboard SV Delos, the crew documents their journey through videos which help to fund the costs of the boat.

Always looking to live and travel as environmentally friendly as possible, SV Delos can use Transporter Energy's

lithium-ion batteries to produce a virtually limitless green energy source. The Transporter Energy Pod also means that cooking in the SV Delos is cooler and safer, while still allowing the crew to cook up a feast wherever they travel.

SV Delos is the first sailing boat to eliminate all gas by using Transporter Energy's lithium-ion batteries. We completed a full gas to electric installation including a lithium bank, induction hob and electric BBQ. They are loving it!

You can find out more at www.svdelos.com



CHARGE CYCLES

What is a charge cycle? A charge cycle is the process of charging and discharging a battery. The term is typically used to specify a battery's expected life.

250 cycles	250 cycles	250 cycles	250 cycles	250 cycles
250 cycles	250 cycles	250 cycles	250 cycles	250 cycles
250 cycles	250 cycles	250 cycles	250 cycles	250 cycles
250 cycles	250 cycles	250 cycles	250 cycles	250 cycles

**20 LEAD ACID BATTERIES
= 5000 CYCLES**

**SAVE
£1,801**



**1 LITHIUM-ION BATTERY
= 5000 CYCLES**

USABLE POWER COMPARISON

This demonstrates the power you can actually use to power your equipment. Equipment such as satellite systems, heating controls, inverters etc require stable voltage above 12 volts to operate. Lithium battery voltage remains stable right to the very end. Lead Acid, AGM and GEL does not!

- ✓ Everything working functionally
- ⚠ Below here - Equipment starts to fail and turn off.
- ⚡ Danger - The battery is being severely damaged
- 🔋 Permanent Damage - Replace battery. Unrecoverable.

Lead and AGM manufacturers quote: "At 12 volts there is a tipping point where the voltage goes from relatively constant to plummeting rapidly"

LEAD ACID	AGM/GEL	LITHIUM
100% ✓ 12.70v	100% ✓ 12.80v	100% ✓ 13.20v
90% ✓ 12.60v	90% ✓ 12.65v	90% ✓ 13.20v
90% ✓ 12.42v	90% ✓ 12.50v	90% ✓ 13.20v
90% ✓ 12.34v	90% ✓ 12.37v	90% ✓ 13.20v
90% ⚠ 12.15v	90% ⚠ 12.27v	90% ✓ 13.20v
90% ⚠ 11.96v	90% ⚠ 12.01v	90% ✓ 13.20v
90% ⚡ 11.82v	90% ⚡ 11.81v	90% ✓ 13.20v
90% ⚡ 11.65v	90% ⚡ 11.66v	90% ✓ 13.20v
90% 🔋 11.39v	90% 🔋 11.12v	90% ✓ 13.20v
90% 🔋 10.94v	90% 🔋 10.50v	90% ✓ 13.10v

TOTAL AMP HOUR COMPARISON

22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH
22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH
22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH	22,000 AH

**18 LEAD ACID BATTERIES
= 396,000AH**

@ 80% depth of discharge

**SAVE
£1,501**



**1 LITHIUM-ION BATTERY
= 400,000AH**

@ 80% depth of discharge

Also, at 50% DoD the voltage will not be sufficient to run anything other than old style lights. Satellites, Heating, Inverters etc can not be powered below 10 volts.

Please note: If a lead acid is taken below 50% DoD this will severely damage the battery. This does not affect lithium battery in anyway.

REASONS TO GO LITHIUM-ION PHOSPHATE

- ✓ **LASTS UP TO 15 YEARS**
- ✓ **CE CERTIFIED SAFE**
- ✓ **90% CHARGE AFTER A YEAR OF NO USE**
- ✓ **10 YEAR WARRANTY**
- ✓ **FASTER CHARGING**
- ✓ **3X THE POWER OF LEAD ACID**
- ✓ **DROP IN REPLACEMENT**
- ✓ **CHEAPER THAN LEAD BATTERIES OVER ITS LIFE**
- ✓ **OVER 60% LIGHTER**
- ✓ **INCREASE YOUR PAYLOAD**
- ✓ **95% RECYCLABLE**
- ✓ **MADE IN THE USA**
- ✓ **LIFEPO4**

SPECIFICATION

Description	Specification
DC nominal voltage	12V
Usable capacity (amp hours)	100Ah
Rated capacity (watt hours)	1200Wh
Max discharge current (c/1)	100A (continuous) - 200A (surge for 30 seconds) 1/2 second surge for higher loads
Max charge current (c/1)*	100A
DC charging voltage range	14.4 — 14.6V
Depth of discharge	Up to 100%
Operating efficiency	99%
Operating temperature	-20 to 71°C
Charge temperature	-4 to 57°C
Cycle life	5000 @ 80% DoD
Average lifespan	13 — 15 years
Lifetime capacity	300,000Ah
Dimensions (l x w x h)	32.4 x 17.3 x 22.9cm
Weight	13.1kg

WHY TRANSPORTER ENERGY?

LITHIUM-ION PHOSPHATE COMPARED TO ITS NEAREST COMPETITOR BATTERY

Description	Next leading 100 amp battery**	Transporter Energy 100 amp battery
Cost	£1,235 rrp	£1,195 rrp
Battery management system	£125 extra	Built in
Warranty	3 years	10 years
Cycles	5,000 to 50% power	5,000 to 80% power
Weight	18kg	13.1kg
Battery terminals	Stainless steel	Brass (for 10 x greater conductivity)
Will discharge safely to	80%	100%
Made in	China	USA
Intertek UN 38.3 tested and approved	No	Yes
UL 2054 standard for safety mark	No	Yes

*Lower C rates will extend the battery life. **Comparison based on a market product closest to Transporter Energy batteries.

THE MOST POWERFUL, SAFEST, CHEAPEST AND LIGHTEST BATTERY; THERE IS REALLY ONLY ONE CHOICE!



Lower Dicker, Hailsham, East Sussex, BN27 4BG

0% FINANCE AVAILABLE

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🏠 **www.transporterenergy.co.uk**