

WHY SUPER B?

WORLD CLASS PARTNERS

With customers like Beneteau, Kawasaki, San Lorenzo, Lovers Canal Cruises, iCat, Venø Færgesfart, Whisper Power and Zerojet Super B's lithium batteries have been successfully used in the marine industry for several years.

IN-DEPTH KNOWLEDGE

We work with the best lithium experts available and have in-depth knowledge of battery cells, materials, casings, battery management systems and applications.

MADE IN THE NETHERLANDS

Super B demands the highest standards. We are unique in having our own production facilities, engineering-, testing and R&D department in the Netherlands.

PROVEN EXPERIENCE SINCE 2007

Super B has proven its reliable performance in the field in many industries for over 10 years.

HIGHEST QUALITY

Every Super B battery is produced with 100% focus on quality. We select and match all our A-grade battery cells upfront. Not one single battery will leave the factory before it has been thoroughly tested; intermediate and end of line. We offer safety, reliability and durability. Our batteries are certified (e.g. UN38.3) by notified bodies (e.g. TÜV, Dekra)

ABOUT SUPER B



Super B develops and produces high-end lithium batteries for a number of industries and applications, ranging from power batteries for motorcycles and (race)cars to power solutions for recreational vehicles, marine, UPS and industrial markets.



MARINE BATTERIES



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PRODUCT RANGE

MARINE BATTERIES

THE LITHIUM DIFFERENCE



Product name	Rated capacity	Energy	Nominal voltage	Max charge current	Discharge current continuous	Discharge pulse current	Weight	Ingress Protection	Dimensions LxWxH
Epsilon 12V100Ah	100Ah	1280Wh	12.8 V	90A	190A	300A (10 sec)	10.7 kg / 22.6 lbs	IP 56	278 x 175 x 190 mm (= DIN H6 / LN3)
Epsilon 12V150Ah	150Ah	1920Wh	12.8V	135A	200A	350A (10 sec)	15.5 kg / 34.2 lbs	IP 56	353 x 175 x 190 mm (= DIN H8 / LN5)
Nomia 12V210Ah	210Ah	2688Wh	12.8V	210A	500A	800A (10 sec)	23 kg / 50.7 lbs	IP 50	417 x 227 x 314 mm
Nomia 12V340Ah	340Ah	4352Wh	12.8V	300A	300A	900A (30 sec)	33 kg / 72.7 lbs	IP 50	417 x 227 x 314 mm
Nomada 12V105Ah (for systems only)	105Ah	1344Wh	12.8V	105A	105A	315A (30 sec)	10 kg / 22 lbs	IP 66	437 x 90 x 175 mm

HEAVY ON POWER. LIGHT ON WEIGHT.

Compared to lead-acid batteries lithium provides great energy density and are at least half the mass. Go for lithium if you want to reduce concerns about battery weight, performance and size.

LONG LIFETIME. LOWER COSTS.

Lithium batteries operate ten times longer than lead-acid. Super B lithium batteries live up to 5000 cycles without decreasing in performance. Resulting on the long term in lower costs.

QUICK AND EFFICIENT.

Lithium can charge and discharge at a high rate providing maximum versatility. Fast charging minimizes downtime, and lithium's high rate of discharge is perfect for a burst of power.

LOW SELF-DISCHARGE.

Super B lithium batteries have a very low self-discharge rate; <3% per month. Compared to lead-acid this is 10 times lower.

MAINTENANCE FREE.

Super B lithium batteries don't require active maintenance to extend their service life.

PERFORMANCE



Integrated BMS

DNV UN38.3

DNV and UN38.3 Certified



Fast charging



Compact size and lightweight



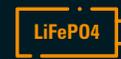
High and stable discharge currents



High capacity



Constant performance during lifetime



Safe lithium technology

BENEFITS OF OUR LITHIUM CHEMISTRY COMPARED TO OTHERS

Battery chemistry	Energy density	Self-discharge	Lifetime	C-rate	Cycles	Safety	Initial costs	Total costs
Lead-acid	--	--	--	--	--	+	++	-
NiMH	-	-	+-	-	-	+	+	+-
NMC	++	+	+	+	+	--	+	+
LiFePO4	+	++	++	++	++	+	+-	++

