PRODUCTIVITY

- 1. Increase productivity because fewer staff required to maintain batteries
- 2. Less down time because batteries last longer
- 3. Save floor space, rack mount is possible
- 4. Individual batteries can be replaced instead of replacing total battery banks

LOW MAINTENANCE

- 1. Totally sealed unit
- 2. Average 2000 cycle life span
- 3. Faster charging
- 4. Lower self-discharge

INFRASTRUCTURE

- 1. No special building requirements for charging
- 2. Compact design allow for great number of batteries used
- 3. Long shelf life, only 10% discharge in 1 year of storage
- 4. Greater performance means fewer batteries needed

HEALTH AND SAFETY

- 1. Light weight for lifting
- 2. Totally sealed unit
- 3. Safe charging environment
- 4. Longer gap between maintenance

ENVIRONMENT

- 1. No Acid used in the manufacturing process
- 2. No Lead used in the manufacturing process
- 3. No specific charging environment required
- 4. Longer life spans means fewer batteries need to be manufactured

Super B

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A BREAKTHROUGH LITHIUM ION BATTERY | Ingrier pow longer life

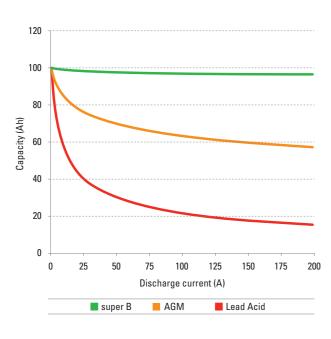
lower weight higher power





Why should you change your lead battery for a super B lithium battery?

To get a better understanding why Lithium Iron Phosphate batteries perform much better than conventional lead batteries, please see the performance table below.



As shown in the table, conventional batteries do not reach the maximum performance prescribed by the manufacturer. This is due to the Peukert-exponent: when a battery is fully used in 20hrs, it provides more power than when used in 5 hrs. Lithium Iron Phosphate batteries stay 100%, regardless of the operating time.

Lead acid batteries

Advantage

- Inexpensive and simple to manufacture: lowest cost per watt-hour
- Mature and well-understood technology: provides dependable service
- High specific power, capable of high discharge currents

Disadvantage

- Low specific energy: poor weight-to-energy ratio
- Slow charge: fully saturated charge takes 14 hours
- Must always be stored in charged condition
- Limited cycle life: repeated deep-cycling reduces battery life
- Flooded version requires watering
- Not environmentally friendly
- Transportation restrictions on the flooded type
- High self discharge

Super B Lithium batteries

Advantage

- Weighs less: as much as 80% weight saving
- Can be fully re-charged within 1 hour
- Is much smaller: 1/3 or less of the space
- Has a longer service life: more than 5 years instead of 2 to 3 years
- Has a low self-discharge rate, 10% per year
- Low total cost of ownership

Disadvantage

- Higher initial costs compared to lead acid batteries

For more information, please visit our website: www.super-b.com or email us at info@super-b.com

The super B energy range



super B 3200E

3.2A to 14.4V CCCV

1.05 lb / 475 grams;

-22°F to +140°F / -30°C to +60°C

4.49 x 3.2 x 1.38 inch (WxHxD)

114 x 81.25 x 35 mm (WxHxD)

-58°F to +140°F / -50°C to +60°C

3.2 Ah, 13.2 V

12A

28A

14.6V to 8V

16.4V to 2V



super B 6400E

6.4A to 14.4 CCCV

1.98 lb / 900 grams

-22°F to +140°F / -30°C to +60°C

-58°F to +140°F / -50°C to +60°C

4.49 x 3.2 x 2.4 inch (WxHxD)

114 x 81.25 x 62 mm (WxHxD)

6.4 Ah. 13.2 V

14.6V to 8V

16.4V to 2V



84A

14.6V to 8V

16.4V to 2V



super B 10E

9.6Ah. 13.2 V

10A to 14.4 CCCV

< 2.86 lb / 1.3 kg



super B 13E

12.8Ah. 13.2 V

48A

112A

13A to 14.4 CCCV



super B 19E

19.2 Ah, 13.2 V 19A to 14.4 CCCV 72A 168A 14.6V to 8V 16.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 6 lb / 2.6 kg









Specifications

Specifications

Pulse discharge

Battery weight

Dimensions

Nominal capacity and voltage EqPb (Equals lead acid battery) rec.

Rec. standard charge method

Rec.charge and cut-off V at 25°C

Operating temperature range

Storage temperature range

Rec.charge and cut-off V below 0°C

Max. continuous discharge

Nominal capacity and voltage EqPb (Equals lead acid battery) rec. Rec. standard charge method Max. continuous discharge Pulse discharge Rec.charge and cut-off V at 25°C Rec.charge and cut-off V below 0°C Operating temperature range Storage temperature range Battery weight Dimensions

super B 26E

25.6 Ah, 13.2 V 50Ah 26A to 14.4 CCCV 224A 14.6V to 8V 16.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 7.5 lb / 3.4 kg 4.7 x 9.3 x 3.2 inch (WxHxD) 120 x 236 x 82 mm (WxHxD)

super B 32E

32 Ah, 13.2 V 32A to 14.4 CCCV 120A 280A 14.6V to 8V 16.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 9.5 lb / 4.2 kg 4.7 x 12.2 x 3.2 inch (WxHxD) 120 x 310 x 82 mm (WxHxD)

super B 12V50E

50 Ah. 13.2 V 100 Ah, 13.2 V 50A to 14.4 CCCV 150A 250A 14.6V to 8V 15.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 24.3 lb / 11.0 kg 10.6 x 6.9 x 9.6 inch (WxHxD) 270 x 175 x 245 mm (WxHxD)



100A to 14.4 CCCV 300A 500A 14.6V to 8V 15.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 44.1 lb / 20.0 kg 14.4 x 7.5 x 10.4 inch (WxHxD) 365 x 190 x 265 mm (WxHxD)

800A

super B 12V160E

160 Ah, 13.2 V 160A to 14.4 CCCV 14.6V to 8V 15.4V to 2V -22°F to +140°F / -30°C to +60°C -58°F to +140°F / -50°C to +60°C 61.7 lb / 28.0 kg 16.3 x 7.5 x 11.4 inch (WxHxD) 415 x 190 x 290 mm (WxHxD)