

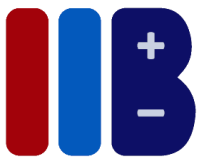
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# IIB EV DRIVEN TO PERFORM

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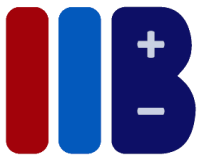
# FEATURES AND BENEFITS – LITHIUM

BENEFIT	FEATURE
<b>SAFETY</b>	Inherently safe chemistry. PCB/BMS provides extra protection.
<b>DROP-IN REPLACEMENT</b>	Available in standard industry sizes.
<b>LIGHTWEIGHT</b>	50-60% less weight than lead-acid equivalent.
<b>LONGEST LIFE</b>	Up to 10X longer cycle life than lead-acid equivalent.
<b>MORE USABLE CAPACITY</b>	25-50% more capacity than lead-acid equivalent.
<b>CONSTANT POWER</b>	Full power available throughout discharge. Voltage does not drop like lead-acid.
<b>TEMPERATURE TOLERANT</b>	2.5X more efficient operation at low temperatures. Safely operational up to 149°F (65°C).
<b>CHARGING – FAST &amp; SAFE</b>	Highly efficient charging. Can fully charge in 1-3 hours. Built-in overcharge protection.
<b>PSOC TOLERANT</b>	No damage from partial state of charge operation or storage.
<b>LONG SHELF LIFE</b>	Low self-discharge so battery maintains state of charge.
<b>MAINTENANCE-FREE NON-HAZARDOUS</b>	Plug, play and charge. No watering. No gasses emitted.
<b>INSTALLATION FLEXIBILITY</b>	Can be installed upright or on its side.
<b>CUSTOMIZABLE</b>	Easy to customize for your size and power needs.

## LITHIUM PRODUCT SPECIFICATIONS

Part Number	BCI Group Size	Capacity <sup>A</sup> @ 25°C (77°F)		Energy (Wh)	Dimensions inches (mm)			Weight lbs (kg)	Terminal Type
		Ah	Min @ 25A		Length	Width	Height		
<b>12V</b>									
RB60	24	60	144	768	10.2 (260)	6.7 (170)	8.6 (219)	20 (8.9)	M8
RB75	24	75	180	960	10.2 (260)	6.7 (170)	8.6 (219)	26 (11.8)	M8
RB80	27	80	192	1024	12.1 (308)	6.8 (172)	8.7 (221)	28 (12.7)	M8
RB100	31	100	240	1280	13.0 (329)	6.8 (172)	8.9 (226)	32 (14.5)	M8
RB150	8D	150	360	1920	19.3 (490)	10.5 (267)	9.0 (229)	60 (27.2)	M8
RB200	8D	200	480	2560	19.3 (490)	10.5 (267)	9.0 (229)	72 (32.6)	M8
RB260	8D	260	624	3328	19.3 (490)	10.5 (267)	9.0 (229)	88 (39.9)	M8
RB300	8D	300	720	3840	20.5 (520)	10.6 (269)	8.7 (221)	84 (38.1)	M8
<b>12V DIN</b>									
RB80-DIN	DIN	80	192	1024	13.2 (335)	6.9 (175)	7.5 (191)	26 (11.6)	M8
RB100-DIN	DIN	100	240	1280	13.2 (335)	6.9 (175)	7.5 (191)	29 (13.3)	M8
<b>12V GOLF TROLLEY</b>									
RBGT-16	NA	16	360	205	6.6 (168)	5.0 (127)	2.9 (74)	5 (2.1)	T-BAR
RBGT-19	NA	19	480	243	7.1 (180)	3.0 (76)	6.5 (165)	6 (2.7)	ANDERSON
RBGT-22	NA	22	624	282	6.6 (168)	5.0 (127)	4.0 (102)	6 (2.9)	T-BAR
<b>24V</b>									
RB24V50	31	50	120	1280	13.0 (329)	6.8 (172)	8.9 (226)	32 (14.5)	M8
RB24V100	NA	100	240	2560	19.3 (490)	6.7 (170)	10.6 (270)	53 (24.2)	M8
<b>48V STEEL CASE</b>									
RB48V100	NA	100	240	5120	22.8 (578)	16.1 (410)	7.8 (198)	145 (66)	Amphenol
RB48V300	NA	300	720	15360	29.1 (740)	16.1 (410)	17.6 (447)	375 (170)	Amphenol
RB48V100H	NA	100	240	4800	24.6 (625)	6.1 (155)	20.5 (520)	143 (65)	Amphenol
RB48V150H	NA	150	360	7200	28.3 (720)	5.7 (145)	20.5 (520)	209 (95)	Amphenol

A. The amount of Ah or minutes the battery can provide when discharged at a constant current to 2.5vpc at 25°C (77°F).



# IIB LITHIUM

Drive farther on the course, on the road or on the job with premium IIB Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries. IIB lithium batteries offer lightweight, safe and long-lasting energy solutions for all types of electric vehicles.

**READY WHEN YOU ARE:** IIB lithium batteries charge much faster than traditional lead-acid batteries, and they're packed with more usable energy and up to 10 times longer life so you're always ready to roll!

**MORE HOURS OF POWER:** IIB lithium batteries provide 2-3 times more energy than traditional lead-acid batteries, at half the weight, and they maintain a constant level of power so your EV will be as zippy at 5pm as it was at 7am. Play those extra rounds, drive those miles or work those extra hours and know that you have ample reserves.

**WORRY-FREE:** IIB lithium batteries are maintenance-free – no watering, no corrosion. In addition, they can be charged more quickly using a variety of systems. Partial charging does not affect performance quality, and a low self-discharge rate means worry-free storage so occasional users can be assured of high performance at the beginning of every season.

**BUILT-IN PROTECTION:** Every IIB lithium battery comes with a state-of-the-art battery management system (BMS) that provides protection from over-charge, over-discharge and short circuit conditions. Battery cells are enclosed in explosion-proof stainless steel casings. Built-in thermal fuses and other safety features offer added protection.

**THE RIGHT FIT:** IIB lithium batteries are available in a variety of BCI standard sizes for easy drop-in replacement. Are you looking for a custom solution? No problem! Our Certified PowerPros will work to design the best system for your needs.

**EXTREME PERFORMANCE:** IIB lithium batteries are designed to perform in harsh conditions, be it freezing cold, scorching heat or rough terrain.

**ECO-FRIENDLY:** IIB lithium batteries are the ultimate clean energy.

No gassing, no fumes and no pollution. Enjoy reliable power, while protecting the environment, using these non-hazardous batteries.

**SAFETY TESTED:** Unlike other lithium chemistries, IIB LiFePO<sub>4</sub> batteries are inherently safe due to their stable chemical composition, and we have the UL1642 and IEC62133 test results to prove it.

**BACKED BY THE BEST:** Built to last, designed to perform, premium IIB lithium batteries deliver unsurpassed performance. We back this claim with a comprehensive, full-replacement 5-year warranty.

## TERMINAL CONFIGURATIONS



M8



Bolt with  
lock washer &  
regular washer

## AMPHENOL CONNECTORS



# THE POWER BEHIND THE PROMISE



You may know us as a battery manufacturer, but first and foremost, we're in the relationship business. At IIB, we pride ourselves on creating and maintaining long-term relationships with members of our supply chain, original equipment manufacturers, distributors and end users. How do we do it? We're invested – in the success of our customers, our partners, our employees and our future. It's a promise we make and keep every day.

**INVESTED IN OUR PEOPLE.** We value knowledge, experience and interpersonal skills, so we seek out the best and brightest. When it comes to innovation, we have the sharpest minds in the business designing, building and testing our products. Our sales and customer service staff is dedicated to doing right by our customers every time. And, our technical support team has the knowledge you need to answer even the toughest energy questions. In a nutshell, we only invest in people with the industry experience, training and relationships to ensure our customers' success.

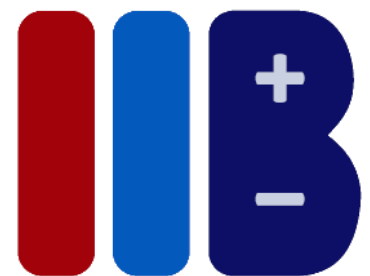
**INVESTED IN OUR SERVICE.** Every one of our customers enjoys unparalleled support from IIB's team of certified PowerPros. Our job is to understand everything about our customers' needs now and help them anticipate the future. We have the expertise to answer all types of battery questions. Every topic from maintenance to recycling to customized solutions for any application. And, since time is valuable, we commit to responding to inquiries within 24 hours.

**INVESTED IN OUR FUTURE.** At IIB, we invest major effort and resources in new product development so we can help our customers meet their long-term energy goals, no matter what the application. In addition, we're constantly striving to increase our contribution to a healthier planet through clean, green energy solutions so we can leave the earth a better place for future generations.



ISO 9001:2015 Quality Management System

When it comes to reliability, our lithium batteries won't let you down. Contact us, visit [www.iib.co.il](http://www.iib.co.il)



IIB Battery provides our customers with the highest quality and safest lithium products.

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