



# THE POWER BEHIND THE PROMISE



## RELiON LITHIUM IRON PHOSPHATE BATTERIES

### Faster charging, longer day-to-day life and fewer maintenance requirements

The best Lithium Iron Phosphate batteries designed by RELiON boost your product performance and are the safer, more efficient way to meet your product's energy needs.

### FEATURES AND BENEFITS:

The Primary advantage is safety – Lithium Iron Phosphate – LiFePO4 is The Safest Lithium Chemistry, less reactive if abused, Higher temperature tolerance, can be operated up to 65°C, better performance at higher temperatures due to higher lithium ionic conductivity, excellent thermal stability, thermal runaway at 270°C. Internal Power Control Board (PCB) or external Battery Management System (BMS) for higher watt systems and both the PCB & BMS protect against the following;

- Under voltage protection & Over voltage protection
- Prohibits reverse polarity connections
- Over load protection
- Short circuit protection
- Provides cell balancing if needed
- Both PCB and BMS are easy to replace or repair if they fail

**FIRE PROTECTION:** Thermal fuse, Explosion-proof stainless steel cell case, Flame retardant additive in electrolyte and Over-temperature protection.

**LONGER LIFE SPAN:** Lithium batteries often outlast the application they're installed in. Anywhere up to 10 times the life span compared to lead acid alternatives.

**FASTER CHARGING:** Lithium batteries have two charging stages: absorption and trickle. With the capacity to charge at a higher efficiency, lithium batteries take a fraction of the time to charge.

**LIGHTER WEIGHT:** Lithium batteries are approximately one-third of the weight of lead acid alternatives. This makes a major difference in equipment performance and efficiency.

**CONSISTENT POWER:** Because lithium-ion batteries have a higher voltage output than lead acid alternatives, they maintain a consistent delivery of power through discharge. Lithium batteries offer a higher usable capacity, meaning you get more hours of use between charging.

### ENERGIZE YOUR APPLICATIONS

Whether you are powering your home or business, or mission control-critical remote monitoring equipment, you want reliable power for your residential and commercial energy needs, both on and off the grid.

**Lithium is the ideal battery solution.**



## STOCKED ITEMS

### RELiON 12V Batteries

Part Number	BCI CASE	V	Ah	KG	L	W	H
RB-5	n/a	12	5	0.82	150	51	95
RB-10	n/a	12	10	1.79	150	97	95
RB-20	n/a	12	20	2.72	181	76	165
RB-50	n/a	12	50	6.8	199	166	171
RB-80	27	12	80	11.34	308	172	221
RB-100	31	12	100	14.51	329	172	216

### RELiON 12V Golf Trolley Battery

Part Number	BCI CASE	V	Ah	KG	L	W	H
RBGT-22	n/a	12	22	2.9	168	128	75

## NON-STOCKED ITEMS

### RELiON 12V Batteries

Part Number	BCI CASE	V	Ah	KG	L	W	H
RB-35	n/a	12	35	4.5	196	131	155
RB-60	n/a	12	60	9.07	199	166	171
RB-80-DIN	DIN	12	80	11.6	335	175	191
RB-100-DIN	DIN	12	100	13.3	335	175	191
RB-150	n/a	12	150	29.48	490	267	229
RB-200	n/a	12	200	32.66	490	267	229
RB-260	n/a	12	260	40	490	267	229
RB-4D-300SC	n/a	12	300	37.7	496	222	271

### RELiON 12V Golf Trolley Battery

Part Number	BCI CASE	V	Ah	KG	L	W	H
RBGT-16	n/a	12	16	2.1	168	128	75
RBGT-19	n/a	12	19	2.7	181	168	77

### RELiON 24V Battery

Part Number	BCI CASE	V	Ah	KG	L	W	H
RB-24-50	n/a	24	50	15	330	170	223

### RELiON 48V Battery

Part Number	BCI CASE	V	Ah	KG	L	W	H
RB-48-100	n/a	48	100	65	578	410	198
RB-48-300	n/a	48	300	170	740	411	447