

ALL NEW FROM THE GROUND UP

When we introduced the first Pulse battery, it was the smallest, lightest, and most powerful motorsports battery ever produced. That battery would be used to win races, dominate championships, and set records in every discipline of motorcycle racing. This was no accident. By using best in breed components, combined with our world class design, engineering, and support skills, we built a product which set the standard by which lithium engine start batteries are now judged.

Now, we are raising the standards for lithium engine start batteries again, with our Pulse IPT line of batteries. We went back to the drawing board and designed these batteries from the ground up. We designed this battery to be the best choice for riders wanting a strong, light, and reliable lithium battery, with none of the drawbacks previously associated with lithium chemistries.



Pulse IPT batteries are designed to be the most advanced lithium engine start batteries on earth. Every aspect of our batteries was carefully conceived, designed, manufactured, and assembled by us, using our unparalleled experience in the powersports battery business.

All our products feature class leading, innovative technology and materials, with a massive range of size, weight, and power output options to suit the most demanding applications. Every Pulse IPT battery is designed and manufactured in the USA, all backed by our industry leading technical support and 5-year warranty.

Intelligent Pulse Technology (IPT) Battery Management System

The IPT controls the function and behavior of the battery and provides better performance, longer life, and a unique emergency start capability.

IPT Cell Balancing

Most commercially available battery chargers can be used with Pulse IPT batteries. The IPT will take care of properly regulating the charge sequence without a special charger.

IPT Short Circuit Protection

The IPT will detect a dangerous short circuit and protect the battery from damage.

IPT Heat Management

The IPT monitors and dissipates heat buildup during high load situations, keeping the battery in the correct operating temperature range.

UNDOT Certification

All our batteries are UNDOT tested and approved for shipping via commercial carrier.

IPT Two Stage Under Voltage Protection

The IPT will prevent your battery from being accidentally drained by your vehicle, preventing damage to the battery from draining past the point of recovery. By pressing the external reset button, the IPT will reset and provide another chance to start your bike.

V Sleeve Silicon Terminal Covers

Color coded silicon terminal covers provide an easy way to identify the positive and negative terminals and an added measure of protection against accidental shorting.

V Direct Multi Terminal

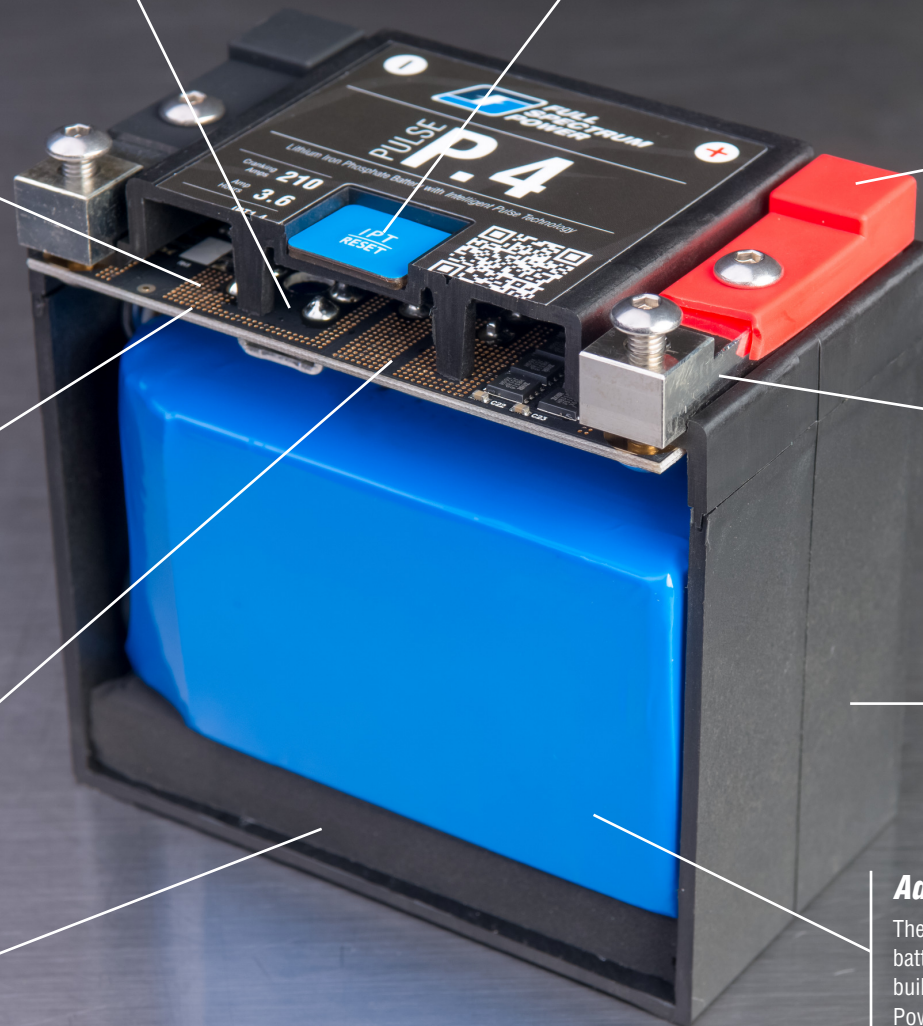
Our terminals provide a direct connection to the IPT for maximum output and minimal resistance. The terminal has 4 threaded mount points, providing you extra positive and negative mounting options to attach accessory wires without having to use long screws on one small terminal.

Advanced Case Design

We developed a proprietary nylon/glass fiber resin for Pulse IPT cases. Lighter and stronger than our previous cases, it rejects heat, vibration, gas and oil.

Advanced Cell Design

The cells in Pulse IPT batteries were designed and optimized for engine start batteries. We partnered with the world's premier lithium cell manufacturer to build cells to our specifications. These are only available from Full Spectrum Power.

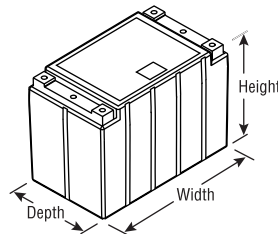


Model	Capacity		Cranking Amps ³	Dimensions (mm)			Dimensions (in)			Weight		IPT Equipped ⁴	OEM Direct Fit Equivalent ⁵	Recommended Application	MSRP
	LiFePO4 Ah ¹	PbEq Ah ²		Width	Depth	Height	Width	Depth	Height	Lbs	G				
P.1	2.5	7.5	160	113	40	80	4.4	1.6	3.1	1.0	480		YT4B-BS, YB7B-B	Maximum Weight Savings	\$ 99.00
P.4T	2.5	7.5	160	113	70	85	4.4	2.8	3.3	1.5	680	☑	YTX4L-BS, YTZ5S	Maximum Weight Savings	\$ 139.00
P.4	3.6	10.8	210	113	70	85	4.4	2.8	3.3	1.7	800	☑	YTX4L-BS, YTZ5S	Best Overall Performance	\$ 169.00
P.5T	2.5	7.5	160	113	70	93	4.4	2.8	3.7	1.6	710	☑	YB4L-B	Maximum Weight Savings	\$ 139.00
P.5	3.6	10.8	210	113	70	93	4.4	2.8	3.7	1.8	820	☑	YB4L-B	Best Overall Performance	\$ 169.00
P.7T	2.5	7.5	160	113	70	106	4.4	2.8	4.2	1.6	710	☑	YTX7L-BS, YTX5L-BS, YTZ7S	Maximum Weight Savings	\$ 139.00
P.7	3.6	10.8	210	113	70	106	4.4	2.8	4.2	1.8	825	☑	YTX7L-BS, YTX5L-BS, YTZ7S	Best Overall Performance	\$ 169.00
P.7S	7.2	21.0	420	113	70	106	4.4	2.8	4.2	2.8	1250	☑	YTX7L-BS, YTX5L-BS, YTZ7S	Maximum Power	\$ 219.00
P.7BT	2.5	7.5	160	150	65	93	5.9	2.6	3.7	1.9	850	☑	YT7B-BS	Maximum Weight Savings	\$ 139.00
P.7B	3.6	10.8	210	150	65	93	5.9	2.6	3.7	2.0	870	☑	YT7B-BS	Best Overall Performance	\$ 169.00
P.7BM	4.2	12.6	315	150	65	93	5.9	2.6	3.7	2.1	935	☑	YT7B-BS	Maximum Power	\$ 209.00
P.9BT	2.5	7.5	160	150	65	103	5.9	2.6	4.1	1.8	835	☑	YT9B-BS	Maximum Weight Savings	\$ 139.00
P.12	3.6	10.8	210	150	65	130	5.9	2.6	5.1	2.1	920	☑	YT12B-BS, YTX12-BS, YT14B-BS	Best Overall Performance	\$ 169.00
P.12L	6.0	18.0	360	150	65	130	5.9	2.6	5.1	2.7	1220	☑	YT12B-BS, YTX12-BS, YT14B-BS	Best Overall Performance	\$ 219.00
P.12S	8.4	25.2	630	150	65	130	5.9	2.6	5.1	3.7	1700	☑	YT12B-BS, YTX12-BS, YT14B-BS	Maximum Power	\$ 279.00
P.9T	2.5	7.5	160	150	87	93	5.9	3.4	3.7	1.8	835	☑	YTZ10S, YTX7A-BS	Maximum Weight Savings	\$ 139.00
P.9	3.6	10.8	210	150	87	93	5.9	3.4	3.7	2.1	960	☑	YTZ10S, YTX7A-BS	Best Overall Performance	\$ 169.00
P.9L	6.0	18.0	360	150	87	93	5.9	3.4	3.7	2.6	1220	☑	YTZ10S, YTX7A-BS	Maximum Power	\$ 219.00
P.10T	2.5	7.5	160	150	87	106	5.9	3.4	4.2	1.9	865	☑	YT12A-BS, YTX9-BS, YTZ12S, YTZ14S	Maximum Weight Savings	\$ 139.00
P.10	3.6	10.8	210	150	87	106	5.9	3.4	4.2	2.1	950	☑	YT12A-BS, YTX9-BS, YTZ12S, YTZ14S	Best Overall Performance	\$ 169.00
P.10L	6.0	18.0	360	150	87	106	5.9	3.4	4.2	2.8	1245	☑	YT12A-BS, YTX9-BS, YTZ12S, YTZ14S	More Power Than P.10	\$ 219.00
P.10S	12.0	36.0	720	150	87	106	5.9	3.4	4.2	4.3	1960	☑	YT12A-BS, YTX9-BS, YTZ12S, YTZ14S	Maximum Power	\$ 279.00
P.12X	3.6	10.8	210	150	87	130	5.9	3.4	5.1	2.1	940	☑	YTX12-BS	Best Overall Performance	\$ 169.00
P.12XL	6.0	18.0	360	150	87	130	5.9	3.4	5.1	2.9	1310	☑	YTX12-BS	More Power Than P.12X	\$ 219.00
P.12XS	12.0	36.0	720	150	87	130	5.9	3.4	5.1	4.4	2020	☑	YTX12-BS	Maximum Power	\$ 279.00
P.14	3.6	10.8	210	150	87	145	5.9	3.4	5.7	2.2	960	☑	YTX14, YTX14-BS, GYZ16H	Best Overall Performance	\$ 169.00
P.14L	6.0	18.0	360	150	87	145	5.9	3.4	5.7	2.9	1330	☑	YTX14, YTX14-BS, GYZ16H	More Power Than P.14	\$ 219.00
P.14S	12.0	36.0	720	150	87	145	5.9	3.4	5.7	4.5	2049	☑	YTX14, YTX14-BS, GYZ16H	Maximum Power	\$ 279.00
P.16	3.6	10.8	210	150	87	161	5.9	3.4	6.3	2.3	1000	☑	YTX16-BS, YTX20CH-BS, YX30L-BS	Best Overall Performance	\$ 169.00
P.16L	6.0	18.0	360	150	87	161	5.9	3.4	6.3	3.0	1350	☑	YTX16-BS, YTX20CH-BS, YX30L-BS	More Power Than P.16	\$ 219.00
P.16S	12.0	36.0	720	150	87	161	5.9	3.4	6.3	4.5	2050	☑	YTX16-BS, YTX20CH-BS, YX30L-BS	Maximum Power	\$ 279.00
P.15	3.6	10.8	210	175	87	130	6.9	3.4	5.1	2.5	1133	☑	YTX15L-BS	Best Overall Performance	\$ 169.00
P.15L	6.0	18.0	360	175	87	130	6.9	3.4	5.1	2.9	1300	☑	YTX15L-BS	More Power Than P.15	\$ 219.00
P.15S	12.0	36.0	720	175	87	130	6.9	3.4	5.1	4.4	2020	☑	YTX15L-BS	Maximum Power	\$ 279.00
P.20	3.6	10.8	210	175	87	155	6.9	3.4	6.1	2.5	1140	☑	YTX20-BS, YTX20L, YTX24HL-BS	Best Overall Performance	\$ 169.00
P.20L	6.0	18.0	360	175	87	155	6.9	3.4	6.1	3.0	1350	☑	YTX20-BS, YTX20L, YTX24HL-BS	More Power Than P.20	\$ 219.00
P.20S	12.0	36.0	720	175	87	155	6.9	3.4	6.1	4.5	2060	☑	YTX20-BS, YTX20L, YTX24HL-BS	Maximum Power	\$ 279.00

All Full Spectrum Power Pulse IPT Batteries are 13.2v and are designed for 12v electrical systems.

We offer custom battery design services. Contact us to discuss your application.

For a detailed look at our products and technology, including a comprehensive bike fitment guide, installation instructions, care and maintenance tips, electrical system troubleshooting advice, warranty information, battery chargers and other accessories, please visit us at www.fullspectrumpower.com



1. Actual Amp Hour Capacity - (one amp for one hour = 1ah)

2. Lead Acid Equivalent Amp Hours - While the PbEq rating is not a good way to measure battery capacity, we have included the rating here, so that you can directly compare against other companies claimed capacity figures.

3. Power, in amps, a battery can produce for up to 10 seconds. This measurement simulates a start sequence under difficult conditions.

4. Intelligent Pulse Technology (IPT) Battery Management System (BMS) - Featuring the IPT Reset, which prevents your battery from being completely drained- and lets you reset the battery for one last chance to start your bike. This integrated BMS includes heat management, cell balancing, fuel gauging, short circuit, over voltage and over discharge protection. All this provides better performance, longer life, and a unique emergency start capability.

5. Common sizes. Please visit our battery selection tool at www.fullspectrumpower.com for all OEM direct fit applications.