



TECHNOLOGY



Super-Fast Charging Times.



Max. Power Capacity.



Zero Maintenance.



Longer Run Times.



Long-Life Cycle.



Partial Charge, Anytime.

TASK x NEXSYS[®] TECHNOLOGY.

The Nexsys[®] battery pack are an alternative to lithium and lead-acid batteries that offer faster charging, longer lifespan, lower total cost of ownership, greater safety, reduced maintenance, better performance in extreme temperatures, and environmental friendliness.

Nexsys[®] batteries have a faster charging time than both lead-acid and lithium batteries because they can handle higher charging rates without damage or reduced lifespan; this makes them ideal for material handling equipment.

They also last up to twice as long as lithium batteries, reducing the need for battery replacements and resulting in lower total cost of ownership over their lifespan.

Nexsys[®] batteries require no maintenance from the operator, reducing safety incidents around battery maintenance. This ultimately means less hassle for operators and reduced maintenance costs over time.

Nexsys[®] batteries are also designed to operate efficiently in extreme temperatures, making them ideal for use in hot and cold environments.

TASK are committed to minimising the environmental impact of manufacturing our walkie stackers, and the use of Nexsys[®] batteries adds to this. Nexsys[®] batteries are safer and more environmentally friendly than lithium batteries. They do not pose any fire or explosion risk, and are 99% recyclable.



TASK[®] BOA[®] X-Series Model Shown



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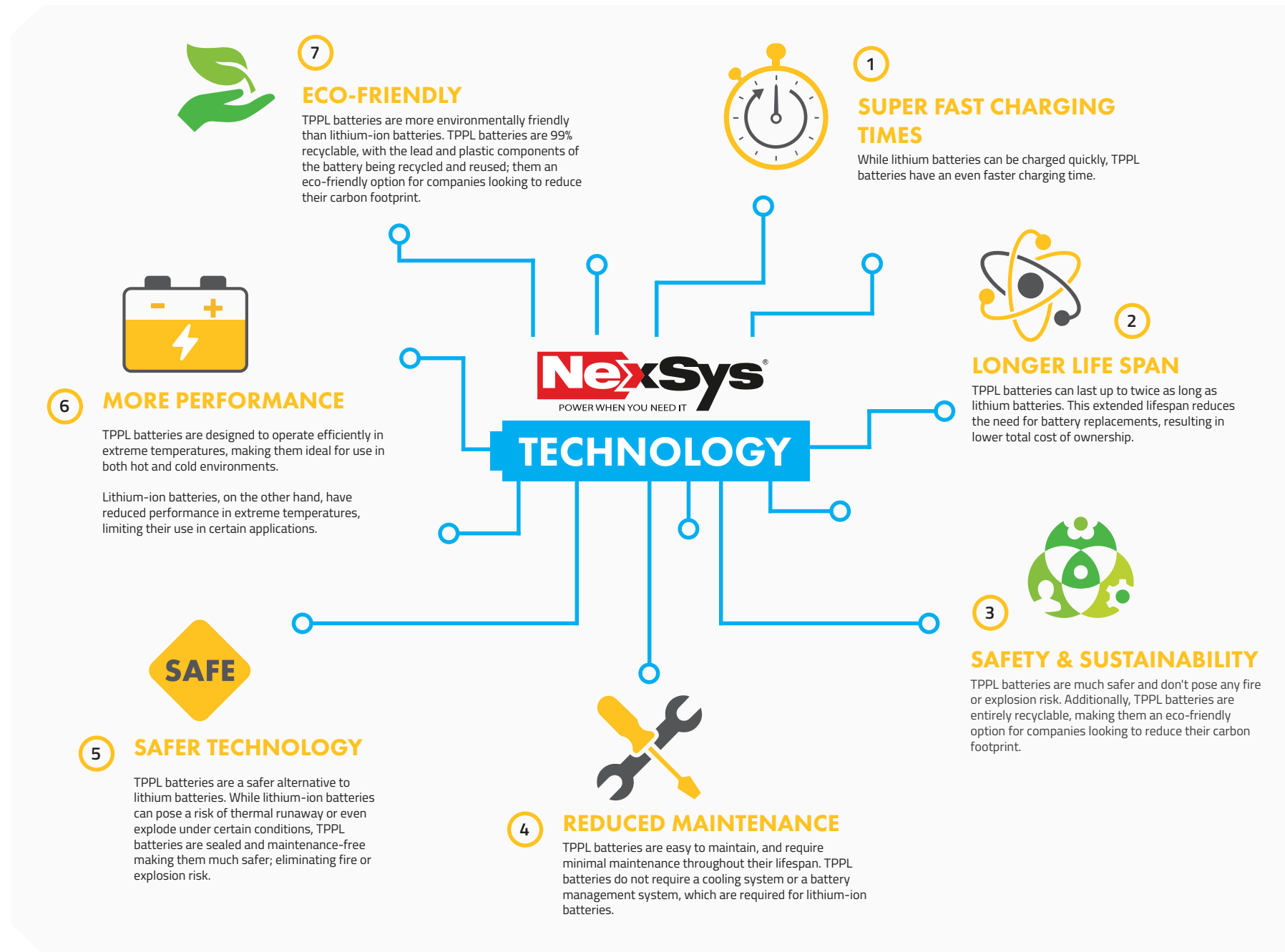
POWER WHEN YOU NEED IT.



In the material handling industry, the performance and reliability of batteries are essential for keeping operations running smoothly. Traditionally, lead-acid batteries have been the go-to solution for powering industrial equipment.

The material handling industry has experienced a significant shift in battery technology, with the introduction of lithium-ion batteries. However, Thin Plate Pure Lead (TPPL) batteries have emerged as a formidable alternative to lithium-ion batteries. Below are some of the key advantages of Thin Plate Pure Lead Acid Batteries over lithium batteries in the material handling industry.

- 1. Faster charging:** While lithium batteries can be charged quickly, TPPL batteries have an even faster charging time. This is because TPPL batteries can handle higher charging rates without experiencing damage or reduced lifespan. This makes TPPL batteries ideal for material handling equipment that operates in multiple shifts and requires fast charging times.
- 2. Longer Lifespan and Lower Total Cost of Ownership:** One of the most significant advantages of TPPL batteries is their longer lifespan compared to lithium batteries. TPPL batteries can last up to twice as long as lithium batteries. This extended lifespan reduces the need for battery replacements, resulting in lower total cost of ownership over the life of the battery.
- 3. Safety and Sustainability:** TPPL batteries offer superior safety and sustainability than Lithium-Ion Batteries. Lithium-ion batteries can pose a risk of thermal runaway or even explode under certain conditions, TPPL batteries are much safer and don't pose any fire or explosion risk. Additionally, TPPL batteries are entirely recyclable, making them an eco-friendly option for companies looking to reduce their carbon footprint.
- 4. Reduced Maintenance:** TPPL batteries require less maintenance than lithium-ion batteries. TPPL batteries do not require a cooling system or a battery management system, which are required for lithium-ion batteries. TPPL batteries are also, far easier to maintain, requiring minimal maintenance throughout their lifespan.
This reduces the overall maintenance cost of the batteries, making TPPL batteries a cost-effective alternative to lithium-ion batteries.
- 5. Safer technology:** TPPL batteries are a safer alternative to lithium batteries. While lithium-ion batteries can pose a risk of thermal runaway or even explode under certain conditions, TPPL batteries are sealed and maintenance-free making them much safer; eliminating fire or explosion risk.
- 6. Better Performance in Extreme Temperatures:** Extreme temperatures can impact battery performance, making them less effective or even causing them to fail. In material handling applications, equipment often operates in extreme temperatures. TPPL batteries are designed to operate efficiently in extreme temperatures, making them ideal for use in both hot and cold environments. Lithium-ion batteries, on the other hand, have reduced performance in extreme temperatures, limiting their use in certain applications.
- 7. Environmentally Friendly:** TPPL batteries are more environmentally friendly than lithium-ion batteries. TPPL batteries are 99% recyclable, with the lead and plastic components of the battery being recycled and reused; them an eco-friendly option for companies looking to reduce their carbon footprint. Lithium-ion batteries, on the other hand, have complex chemistries that make them difficult to recycle. These Li-ion batteries also contain toxic chemicals, such as cobalt and nickel, which can harm the environment if not disposed of properly.



The Nexsys® Solution.

Reliable, efficient, and cost-effective power solution.

In conclusion, Nexsys® Thin Plate Pure Lead acid batteries offer several advantages over lithium-ion batteries making them a superior choice for industrial applications in the material handling industry. Nexsys® TPPL batteries are safer, more sustainable, have a lower environmental impact, longer-lasting, faster charging, more efficient, better performing in extreme temperatures, and require less maintenance than lithium-ion batteries.

Companies in the material handling industry looking to improve their operations should consider Nexsys® TPPL batteries for their equipment to ensure they have a reliable, efficient, and cost-effective power source for the forklift fleet.