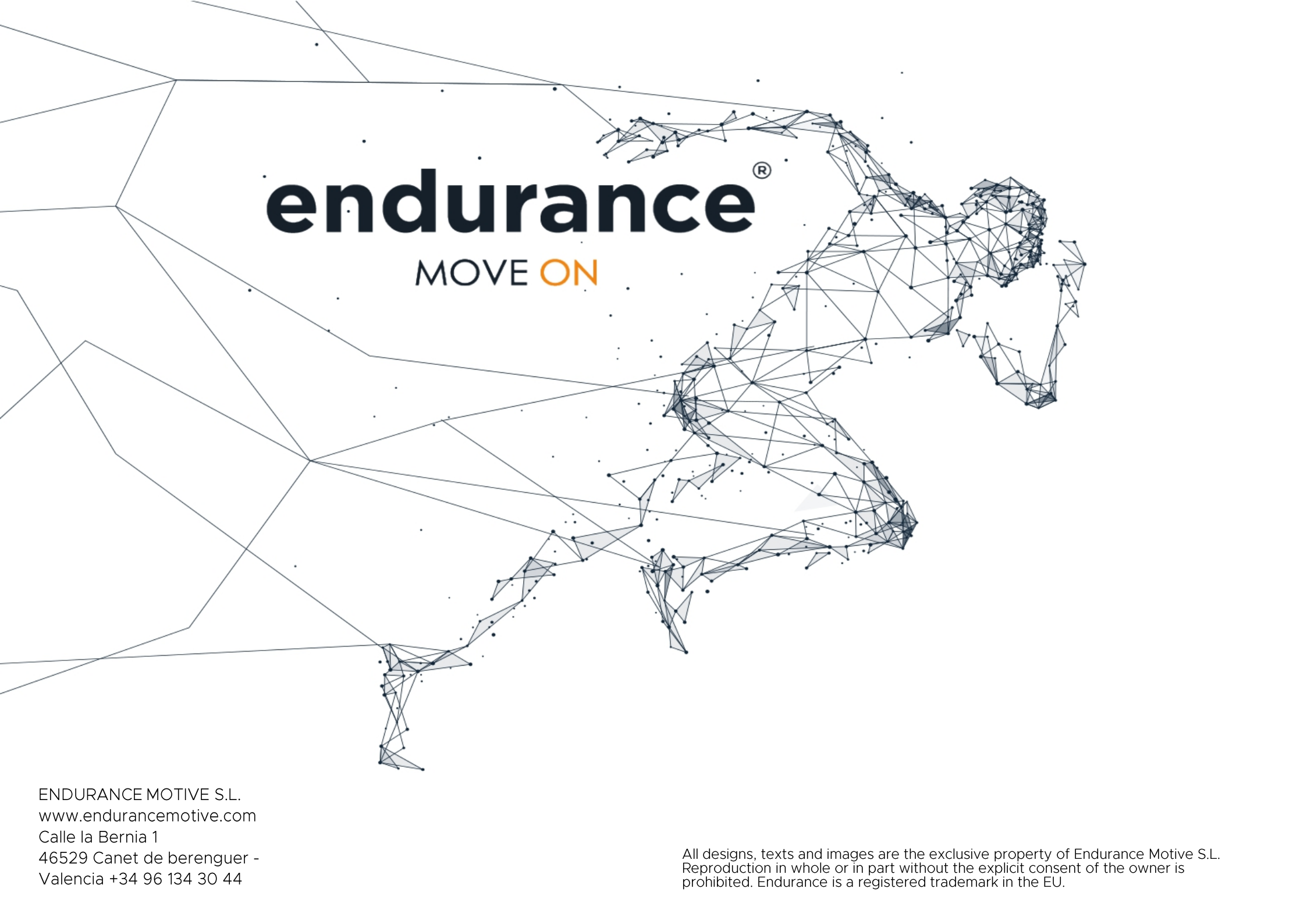


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MOVE ON

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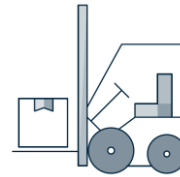
Move **on** Lithium

At Endurance Motive S.L. we are specialists in the design and development of new energy solutions for electromobility.

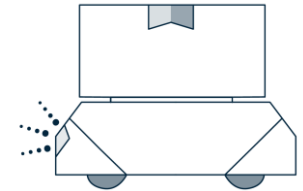
We implement new lithium-based battery storage technologies, adding monitoring and management systems to improve logistics and mobility processes in the industry.

Formed by a team of great professionals, we are a national company committed to innovation and sustainable development.

We work in the following models and services:



Traction and
semi-traction



Vehicle
self-guided



Study
logistics fleet study



Naval



Public transport
and last mile

| Serie Polaris Lithium

Based on LiFePO4 Endurance technology, it develops the Polaris Lithium series, the family of lithium-ion batteries that replaces existing lead-acid batteries by offering greater safety, control and efficiency features for industrial handling and logistics vehicles.

Adding control electronics for safety and monitoring systems.





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HIGHER PRODUCTIVITY



No special charging facilities thanks to the zero gas emissions of lithium.

Lithium batteries have no gas emissions, therefore it is not necessary to have a conditioned place for charging, avoiding unused space in your business.



More energy available.

The Lithium battery has a discharge capacity of 95% without affecting the life of the battery compared to lead batteries which should not be discharged more than 75-80%.



Long service life.

Working under the same conditions, the number of cycles of lithium is 4-5 times higher than the number of cycles of lead.



Higher efficiency at low temperatures and wide operating temperature range.

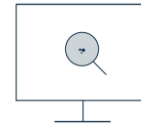
Operating range -10 °C to 55 °C. Its use is perfect for cold or refrigerated environments such as in the food or pharmaceutical industry, as it supplies more energy.



Improved internal logistics processes.

The possibility of installing the loader anywhere in the facility offers great potential for the optimisation of all internal logistics processes.

LOWER OPERATING COST



Monitoring and tracking.

Our batteries have a monitoring system that allows the owner to know at all times the consumption and utilisation parameters of the machines.



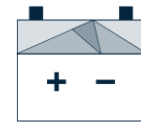
Plug & Play system.

The integration/replacement of our battery is immediate, without the need for vehicle modifications.



Zero maintenance costs.

Lithium-ion batteries require no maintenance.



No need for daily replacement of a second battery.

Particularly useful for machines running two shifts. The possibility of partial charges allowing for short stop charging means that the machine is in use 24 hours a day.



Lower energy costs.

Polaris Lithium batteries increase the charge/discharge energy efficiency by 30% compared to lead-acid batteries.

Tailor-made solutions



Optimisation and tracking

With its own monitoring and tracking software, Endurance batteries offer its customers all the information they need to manage their fleets.



Needs assessment

Carrying out a preliminary needs study is essential to design optimised lithium batteries. Our technical department will offer you the best advice to achieve this.



Design and manufacture

All our lithium batteries are designed and manufactured in our facilities in Valencia (Spain). With lithium cells based on LiFePO4 technology.

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Fleet monitoring and control

At Endurance we supply our batteries with monitoring software that will allow you to control your fleet in real time.

You will be able to detect any downtime or inefficiency in your logistics process.

You will know at all times the consumption and utilisation parameters of your machines.



Ultra fast and efficient charging

At Endurance we supply our lithium batteries with high frequency chargers, the latest generation chargers, 12% more efficient and ten times faster than traditional lead-acid chargers. 12% more efficient and ten times faster than traditional lead-acid chargers. Thanks to ultra-fast charging, you will be able to recharge the battery without having to change it. You will be able to charge at opportunity, just by using downtime, such as scheduled breaks, shift changes, etc. Translated with www.DeepL.com/Translator (free version)



SPE GREEN

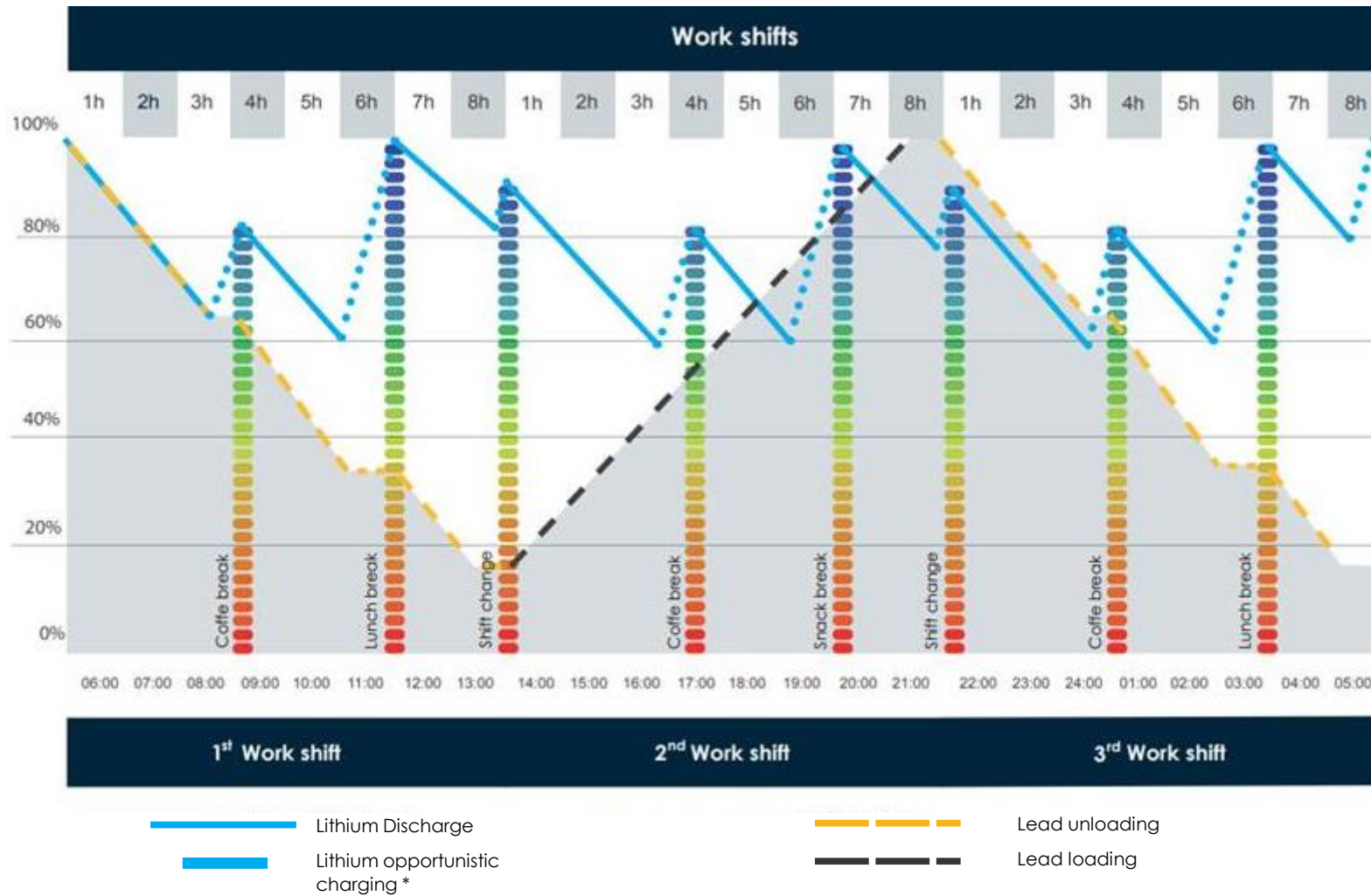


FRONIUS

In addition, our batteries can be fitted with an additional power connector, which will facilitate such charging of you don't have to disconnect the machine from your battery machine from your battery during the charging process.

In a 3-shift day, the lead-acid battery remains on charge for a full shift and you need a standby battery to continue working. Endurance Lithium Endurance's lithium batteries will be operational for 100% of the day without the need for replacement thanks to opportunity charging..

Example of work shifts



* Opportunistic loading takes place during workers' breaks and shift changes.

Serie Polaris Lithium

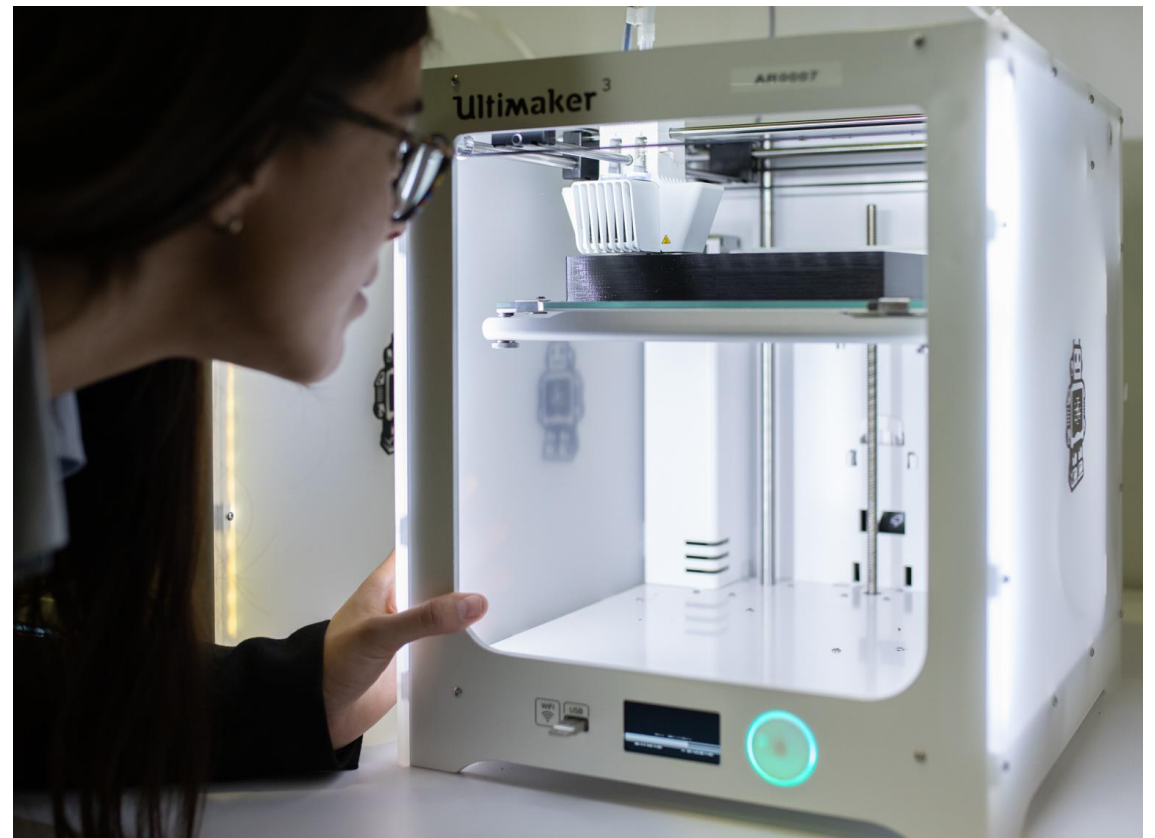
At Endurance we manufacture the lithium battery adapted to your machine and your work process.

Contact us to design the Polaris Lithium battery that best suits your needs.

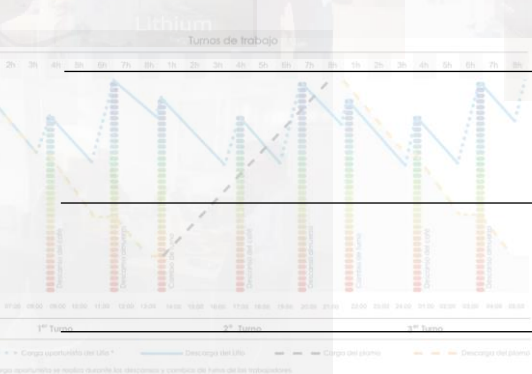
All our batteries are guaranteed for 5000 cycles.



Serie	Name	Measures	Battery proposed		
24/48/80V	endurance®		Tensión (V)	Capacidad (Ah)	Energía (kWh)
24 V	Polaris Lithium 24/100	(589 x 191 x 394)	25,6 V	100 Ah	2,56 kWh
	Polaris Lithium 24/200		25,6 V	200 Ah	5,12 kWh
48 V	Polaris Lithium 48/300	(766 x 322 x 604)	51,2 V	300 Ah	15,36 kWh
	Polaris Lithium 48/400		51,2 V	400 Ah	20,48 kWh
	Polaris Lithium 48/500		51,2 V	500 Ah	25,60 kWh
	Polaris Lithium 48/600	(766 x 383 x 604)	51,2 V	600 Ah	30,72 kWh
80 V	Polaris Lithium 80/300	(725 x 631 x 604)	83,2 V	300 Ah	24,96 kWh
	Polaris Lithium 80/400		83,2 V	400 Ah	33,28 kWh
	Polaris Lithium 80/500		83,2 V	500 Ah	41,60 kWh
	Polaris Lithium 80/600	(730 x 747 x 604)	83,2 V	600 Ah	49,92 kWh
Serie Especial	Serie Especial 24MAX (300-700Ah)	Especial measures	25,6 V	300 Ah	7,68 kWh
			25,6 V	400 Ah	10,24 kWh
	Serie Especial 48MAX (700-1000Ah)	Especial measures	51,2 V	700 Ah	35,84 kWh
			51,2 V	800 Ah	40,96 kWh
	Serie Especial 80MAX (700-1500Ah)	Especial measures	83,2 V	800 Ah	66,56 kWh
			83,2 V	1.500 Ah	124,80 kWh



Notes



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