



Energy storage

Capacity:

40 kWh



Nominal energy of LT PowerBox 40	40 kWh
Configuration	108S2P (12S2P x 7 modules)
Dimensions of LT PowerBox 40 (height x width x depth)	1603 mm x 600 mm x 800 mm
Estimated weight of LT PowerBox 40	~450 kg
Nominal capacity of LT PowerBox 40 @ 25°C	100 Ah
Output voltage range	302 VDC ~ 450 VDC
Maximum discharge current of LT PowerBox 40 @ 25°C	100 A
Maximum charge current of LT PowerBox 40 @ 25°C	100 A
Certifications	UN38.3; CE
Operating temperature range	0°C ... +55°C
Recommended temperature	25°C
Communication interface	CAN bus 2.0
Pre-charging	Optional
IP class	20IP
High-current connection between battery blocks	Wire connection
Cycle rate (up to 70% SOH @ 25°C)	6000
Level of discharge (DoD)	100%
Battery chemistry	Li-ion NMC
Installation	In a closed facility



The LT PowerBox energy storage control system does not need an external power supply.

The **LT PowerBox** is an energy storage and management system. It is designed for consumers who put great emphasis on safety and efficiency. The energy can be obtained both from photovoltaic systems and from the grid.



The longest service life on the market

We develop and build battery modules consisting of NMC lithium-ion pouch cells. This technology guarantees timeless durability:

- >6000 complete cycles at a charge and discharge level of 0 to 100% (DoD = 100%; DoD - Depth of Discharge),
- More than 20 years operating time under standard conditions.



Precise laser connection of the cells

LaserTec's laser connections enable better battery performance and extend battery life.



European service

Service and maintenance of the power storage units are carried out directly at LaserTec. This allows us to significantly reduce the time required for these processes and to offer the highest level of service.



Possibility of system expansion

We have developed a technology that allows us to expand our storage units. By connecting LT PowerBox power storage units in series or parallel, you can increase the voltage as well as the capacity.



Warranty

Up to 10 years of warranty on the LT PowerBox.



Discover our other energy storage models and their possibilities at:

www.lasertecenergy.com

MANUFACTURER AND DISTRIBUTOR:



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