



TB 4PzS 110

Description

Landport's Tubular batteries, featuring liquid electrolytes and positive tubular plates, are built for high-performance deep-cycle applications withstanding up to 80% deep discharges. Enhanced with antimony alloys for optimized current flow and low internal resistance, these batteries deliver both efficiency and durability.

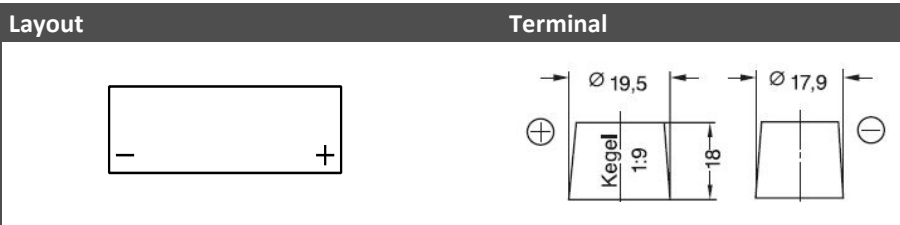
With exceptional cyclic stability, the Tubular batteries are ideal for industrial equipment like aerial platforms, scissor lifts, forklifts, and marine and recreational vehicles. They're also widely used in electric stackers, cleaning machines, pallet trucks, wheelchairs, solar systems, caravans, boats, and more.

Performance

Nominal voltage	12
Capacity	158Ah (20hr, 1.75V/cell) 117Ah (5hr, 1.75V/cell)
Internal resistance	2.8 mΩ

Specifications

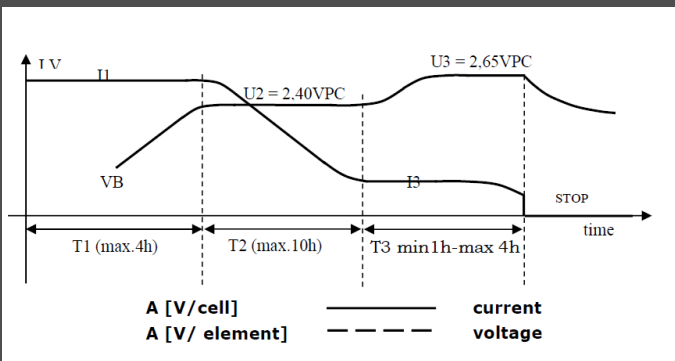
Dimensions	Length: 343 mm
	Width: 175 mm
	Height: 260 mm
	Total Height: 285 mm
Net weight	40.5 Kg
Terminal	1
Layout	0
Operating temperature	-30°C / 45°C
Storage temperature	18°C / 25°C
Casing	Polypropylene



Charging specifications

Suggested charging profile	IU Ia
Suggested charging current	24 A
Suggested charging voltage	Floating use 13.44 V / Cycle use 14.4/15.9 V (@20°C)

Charge Characteristic Curve For Cycle Use (IU Ia)



(Note) All above information shall be changed without prior notice, Landport Batteries reserves the right to explain and update the latest information.



Advantages

- **Extended Lifespan:** Tubular plates for longer life than flat-type alternatives.
- **Excellent Cyclic Performance:** Ideal for intensive deep-cycle use.
- **High Discharge Capability:** Supports high discharge currents with fast recovery.
- **Vibration Resistant:** Durable under challenging conditions.
- **Reliable & Cost-Effective:** Economical with dependable productivity.
- **Long Cycle Life:** Up to 1,200 cycles (IEC / EN 60254-1 standards).