

## **New Telair TLI Premium lithium batteries: uncompromising quality, durability and performance**

***The DIN L5 container offers much more energy in the same dimensions than a traditional battery, while the integrated wireless function lets you monitor battery status on your smartphone via the Teleco App***

*Lugo di Ravenna (20 November 2023)* – Abundant energy, fast charging, large-load capacity, lightness. These, in short, are the key advantages of lithium (LiFePO<sub>4</sub>) batteries compared to their lead-acid counterparts. And Teleco has now gone further by adding a versatile container with standard DIN dimensions (L5) that can contain 104, 120 and 150Ah batteries. This means an old battery can be replaced with a Telair TLI Premium simply and quickly, giving users all the advantages of this technology. In addition to the versions with the DIN L5 container, Teleco also provides a slightly larger 200Ah variant for those with higher energy needs.

The core technology of TLI Premium batteries is the state-of-the-art Battery Management System (BMS), which controls the voltage of each individual cell, both during charging and discharging, thus extending the battery's service life. The BMS also ensures protection from failures due to high temperatures, overcharging and deep discharging: once the minimum charge threshold is detected, the BMS automatically disconnects the battery.

The Teleco Telair BMS system offers further advantages: integrated wireless communication, which lets you monitor battery status on your smartphone via the Teleco App, a button to enter/exit storage mode, a battery diagnostics system and an error log. Users also have the option of installing an external control panel, where the same parameters can be viewed on the OLED display.

Telair TLI Premium batteries can withstand up to 2,000 complete charge/discharge cycles, are fully maintenance-free and weigh up to 70% less than a traditional battery. Moreover, the use of lithium-iron-phosphate ion technology (LiFePO<sub>4</sub>) makes them safe: they are non-toxic, emit no dangerous fumes, cannot explode or catch fire and are more ecological as they use materials with low environmental impact (i.e. they do not use lead or other harmful materials defined by the EU RoHS directive).

The dimensions for Telair TLI Premium 104, 120 and 150Ah batteries are 355 x 175 x 190 (height) millimetres; these weigh 10.5, 12.5 and 14.5 kilograms respectively. The 200 Ah Telair TLI Premium, instead, measures 521 x 238 x 218 (height) millimetres and weighs 23.3 kilograms.

### Technical specifications

Model	TLI Premium 12/104 DIN	TLI Premium 12/120 DIN	TLI Premium 12/150 DIN	TLI Premium 12/200
Rated voltage	12.8V	12.8V	12.8V	12.8V
Maximum capacity	104 Ah	120 Ah	150 Ah	200 Ah
Energy	1280 Wh	1536 Wh	1920 Wh	2560 Wh
Recommended discharging current @ 25°	20 Amp	24 Amp	30 Amp	40 Amp
Max continuous discharging current @ 25°	100 Amp	120 Amp	150 Amp	200 Amp
Recommended charging current @ 25°	20 Amp	24 Amp	30 Amp	40 Amp
Max. charging current @ 25°	100 Amp	120 Amp	150 Amp	200 Amp
Duration	2,000 cycles @ 80% DOD @ 25° with 80% residual energy			
Service life	5 / 7 years			
Charging voltage	14.6 V			
Weight	10.5 kg	12.5 kg	14.5 kg	23.3 kg
Dimensions, including terminals and handles	355 x 175 x H190 mm	355 x 175 x H190 mm	355 x 175 x H190 mm	521 x 238 x H218 mm
Terminal	SAE automotive	SAE automotive	SAE automotive	M8
Charging temperature	0 °C / +45 °C			
Discharging temperature	-20 °C / +60 °C			
Temperature for prolonged storage	-10 °C / +50 °C			

### About the Teleco Group

The TELECO GROUP is a group of leading companies in the recreational vehicle industry, based in Northern Italy. Teleco SpA designs, manufactures and markets a complete range of devices and equipment for terrestrial and satellite TV signal reception, televisions, satellite navigation devices, cameras and monitors, multimedia systems and photovoltaic modules. Telair Srl is specialised in the development and manufacture of air conditioners, generators and inverters. The Group's products are marketed throughout Europe where a widespread support network is available. The TELECO GROUP has two subsidiaries in France and Germany: Teleco GmbH and Teleco sas.

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