



Toll System and Traffic Controls - Bulgaria



Traffic control systems using GNSS (Global Navigation Satellite System) has become commonplace throughout Europe for modern toll collection, surveillance, and security. Since 2019, electronic charging of road taxes has been introduced in Bulgaria as a modern way of toll collection for the usage of the road network. The toll collection system is based on the latest technology which grants convenient payment methods and control while keeping the normal flow of road vehicles. Traffic applications reside in outdoor conditions, typically without temperature control, which means extreme elements can wreak havoc on a battery's service life. CSB batteries are purpose-built for this specific operating condition, whereas a commonplace VRLA battery may succumb to shortened service life.

Partnered with GEROBAT, CSB was able to provide the TPL series to meet this requirement, specifically designed for emergency backup applications. TPL series uses a unique front-terminal design for ease of maintenance and space-saving benefits. TPL comes in 12V variation and a capacity of range between 100 - 200Ah all using pure-lead construction proprietary elements. "Selecting TPL batteries for this application came down to many factors, some of which include, front terminal design, discharge characteristics, quality, wide temperature range, and delivery time," GEROBAT says. Using CSB energy storage expertise combined with GEROBAT's service, installation, and engineering support means Bulgaria's traffic GNSS network will perform as-intended in the event of a power grid outage. When your application calls for purpose-built batteries for outdoor non-temperature-controlled environment, trust the best in CSB.

Company

GEROBAT

Gerobat Ltd.

Location

Sofia, Bulgaria

Product

TPL121250 + TPL121500

Installation Date

2018 - 2019

Application

Emergency Backup