



CTA Energy Systems - Data Center Backup



Company

CTA Energy Systems AG



Location

Hünenberg, Switzerland

Product

TPL121600

Installation Date

March 2024

Application

Data Center Backup

Some data center operations not only need extreme power backup, but also the ability to discharge more than one hour to ensure operations remain running smoothly in the event of a longer power outage. This is commonly found in areas where grid power resiliency may not be as reliable as in other parts of a utility grid. Having a longer duration discharge capable battery is ideal for keeping high-power equipment running beyond the short duration that UPS backup batteries come with. Furthermore, by using a longer-duration discharge battery also allows the operator to rely less on fossil-fuel based generators and more on battery backup to keep emissions lower and save on fuel costs.

Using the TPL series in this data center in Switzerland accomplished just that. The TPL121600FT battery uses a space-saving and ease of installation front terminal design in 12V monoblock configuration, all with pure-lead construction to ensure long-life and sustainable operation. TPL series is UL1989 recognized and comes in 100, 160, 180, and now 200Ah options to size appropriately for all emergency power backup needs. "TPL121600 is a perfect solution with a small footprint given our limited physical space to install batteries," says CTA Energy Systems AG. "CSB has provided the right solutions for the project with excellent quality we have come to know over the years," CTA Energy Systems AG goes on to say.

When a data center or telecom emergency power backup calls for longer-duration energy storage to support high-power equipment, CSB has your operations covered with TPL front terminal batteries.