

unlimited Stromtank power



Electricity is needed everywhere and at all times: at home and at work, for communications and entertainment, for cooking and storing food. Have we ever thought about its quality? When asked what fuel he puts in the tank of his favorite car, the driver indicates the cleanest petrol with the highest octane rating. However, electricity is a much more complex phenomenon, as many installations react slightly to various changes in the electricity grid, with the exception of major spikes and disruptions. Changes in the quality of electricity are most noticeable where this energy is converted into direct mechanical energy or a frequency signal available to our organs: light, colour and sound.

Until the electricity reaches our homes, it flows hundreds of meters or a few kilometers with a low-quality cable. In addition, electricity faces a number of obstacles along the way: from radio signals to feedback from mains-operated equipment. Frequent electrical debris negatively affects elements of the sound system that simply will not have healthy energy to reveal equipment resources. This factor in turn reduces the ability to reproduce the entire content of the musical information. Wolfgang Meletzky began his career as the founder and CEO of the Berlin based company MBL.

The MBL brand is famous for its unique designs of the “Radialstrahler” – omnidirectional speakers, High End CD players and amplifiers. Currently, Wolfgang Meletzky is still busy in the audio field, but in a slightly different segment. His latest business is Stromtank (power and electricity storage). This name describes very precisely the functional purpose of the devices.

By creating well-functioning amplifiers, players and acoustic systems, Meletzky

has repeatedly wondered why he has to face the imperfect power supply of such precise devices. Over the years, experiences has been gained, in depth research has been carried out and a solution has finally been found.

STROMTANK is a small series of dedicated power supplies with its own brand. A distinctive feature of these devices – high-capacity batteries, supplemented by voltage regeneration.



This hybrid circuit has a unique feature of Stromtank, but first we will get to know the device externally.

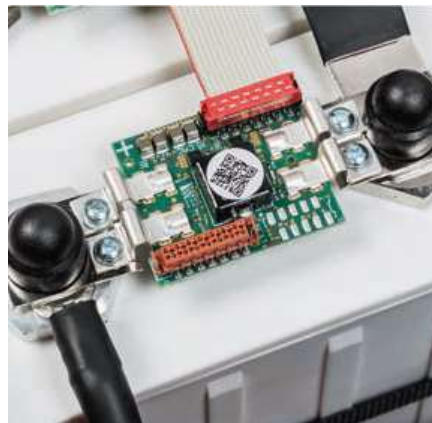
The monolithicity of the device and the minimalism of the finish stand out. The Stromtank S2500 is a massive metal box with a slightly convex front. The Stromtank S2500 has an arrow voltage indicator - a solid illuminator with a backlight that changes color depending on the selected mode. At the bottom is a convenient and easy-to-see LED battery indicator. There are two buttons on the sides of the housing: the left for mode switching and the right for adjusting the brightness of the voltage indicator. The rear of the case is equipped with a power button, six sockets, a LAN connection and USB-A for software updates. You ask - which power supply needs an upgrade? The device has an internal battery management system that balances the power supply and coordinates the overall operation of the battery and regenerator. By the way, the 61 kg Stromtank S2500 has the same Li-FePo4 elements that are used in Tesla cars. Underneath the black aluminum body lies High End level elements and raw materials. The bulk of the space is occupied by eight rechargeable lithium iron phosphate batteries, each with a nominal voltage of 3.2 V and a capacity of 100 Ah. Each of the eight batteries is monitored by its own CMC (Cell Management Controller) module, and the BMC (Battery Management Controller) coordinates the overall operation of the batteries. The battery management system was developed in collaboration with the Fraunhofer Institute for Integrated Circuits. Stromtank S2500 is best illustrated by a high-quality MBL audio playback system with omnidirectional speakers



The power supply electronics are constructed in a shielded cast housing



If the device malfunctions, the fuse will trip



Full protection: each of the 8 batteries is controlled by a separate circuit board

When the Stromtank is switched on, the "blue" mode is selected first. And from the very first seconds, the well-known records start to change. At first, it is not easy to catch and describe the difference in words. The ears hear the changes, but the consciousness is a little late. And it involves admiration when the brain creates a seamless impression. It turns out that the sound of the system without the Stromtank S2500 is like a well-thought-out building frame, its shape and technical perfection, but it lacks finishing and finishing.

This does not mean that the system does not have depth without this power supply, but the differences are very clear and the first impressions disappear completely when you feel the possibilities of the Stromtank. Many medium tones stand out, the boats become incomparably rich, and they acquire sophistication in creating space. Like the light passing through the prism, the sound of the S2500-powered system reveals many hidden colors. Stromtank simply "throws" energy into the system - this feeling is extremely comprehensive!

A small remote control allows you to select a mode and turn off the lights. When the "green" mode is selected, the machine

transitions to autonomous activities when all the elements of the sound system are powered only Stromtank batteries. Their power is enough to power the system with a solid power amplifier or with two less demanding mono units. The average operating time in offline mode is 4 hours or more (depending on energy consumption). When the battery runs out, the Stromtank S2500 starts charging from the mains. This impressive device will allow you to enjoy music. Vocals will sing around, the atmosphere will be shaken by the organ, and the rhythm will encourage you to dance. Omnipolar MBL acoustic systems are simply not visible because the sound comes from everywhere, it is not associated with the speakers. The opening of the stage and the sound of the instruments can be compared to the features of a solid concert hall.

It is safe to conclude that The Stromtank S2500 is a complex, unique device that requires a proper detection system. The sound system must be balanced, otherwise you will not be able to feel all the exceptional possibilities of the energy source.

More information on Stromtank : UAB Matrix ,
Vytenio g. 10, Vilnius,
phone : +370 698 39001

STROMTANK representative in the Baltic States
Referenz Studio ,
Kungu str. 25, Ryga, Latvija,
tel. +37129454104. www.mbl-audio.ru.

