

Product sheet

Statera offers a unique product within battery balance.
IQLizer is a high-quality product, engineered and tested in Denmark.

One of the primary causes of battery failure in a 24V system, is often related to battery “imbalance”. Meaning, the individual 12V battery, which are included in the 24V setup, is not on the same voltage level, hence imbalance.

When the 24V battery system is in imbalance, the lifecycle of the batteries will suffer significantly, eventually lead to battery failure – downtime.

By maintenance charging, the imbalance will cause the charge process to end prematurely, before both batteries are at 100% charge, potential sulfation will worsen which eventually leads to battery failure – downtime.

The solution is a permanent installed micro-processor-controlled circuit, with a unique algorithm, which monitors both batteries individual voltage levels, and optimizes the voltage to reach a 100% battery balance and maximizing battery performance (This is NOT done by discharge)

The advantage is significant extension on battery lifetime, longer operating time, minimizing cost, downtime and battery claims.

-You still need to perform maintenance charging, but this process is also optimized with the IQLizer, as you are now charging on a balanced system

Technical specifications:

Circuit Consumption:	1mA
Transfer Current:	0-0,5A
IP-Rating:	IP65
System application:	24V,36V,48V
Measurements:	80x25x40 mm
Ring terminals:	M8



Technical description:

The IQLizer measures the voltage on both 12V Batteries (in a 24V system) every 60 sec. The result of this measurement in resting mode, results in a transfer from battery A to B or B to A depending on the level of the imbalance. The transferred current is indicated with the 2 LED's on the front. When the system is in balance, both LED's will be blinking to indicate full battery balance. It is possible to use IQLizer in 24V-26V-48V applications. The low power consumption is based on its power components, LED's, microprocessor and MOSFET solid state relays, allows the circuit to consume as low as 1mA from the battery's.