



ICEguard 550 Edger



THE FIRST EDGE CUTTER THAT
REALLY DOES WHAT IS EXPECTED

ICEguard 550 Edger

This drivable edge cutter is an environmentally friendly alternative to the traditional sliding edge cutter.



It is user-friendly and features a safe, ergonomic design to prevent slipping or falling. It also poses no health risks due to exhaust emissions.



Driving the ICEguard 550 Edger is very simple:

1. Drive with the help of a joystick close to the side near the edge.
2. Put down the blade with a lifting- and lowering lever.
3. Press AUTO DRIVE, START button for three seconds.
4. The device will start in stages.
5. When the machine is moving, lift the blade protection up until the machine is connected to the side.

Once connected, the ICEguard 550 Edger will automatically ensure steady movement and keep the blade in an ideal horizontal mode.

The following adjustments can be made from the control panel while using the ICEguard 550 Edger.

- Maximum speed
- Driving direction
- Blade angle position



The ICEguard 550 Edger features unique cutter table tilt automation

The ice cutting height adjustment lever doubles as an ice surface control point. It is positioned 85 cm from the side, minimizing the ice rink curve's rising influence.



ICEguard 550 Edger cutter table's tilt angle is automated. The cutter table is equipped with an angle sensor developed specifically for ice treatment. The sensor continuously controls the horizontal position of the blade, ensuring the proper cut.

ICEguard load adjustment;
Automatism prevents overloading and unloading

- **Emptying the battery too fast**
Battery cells strain and will be permanently damaged:

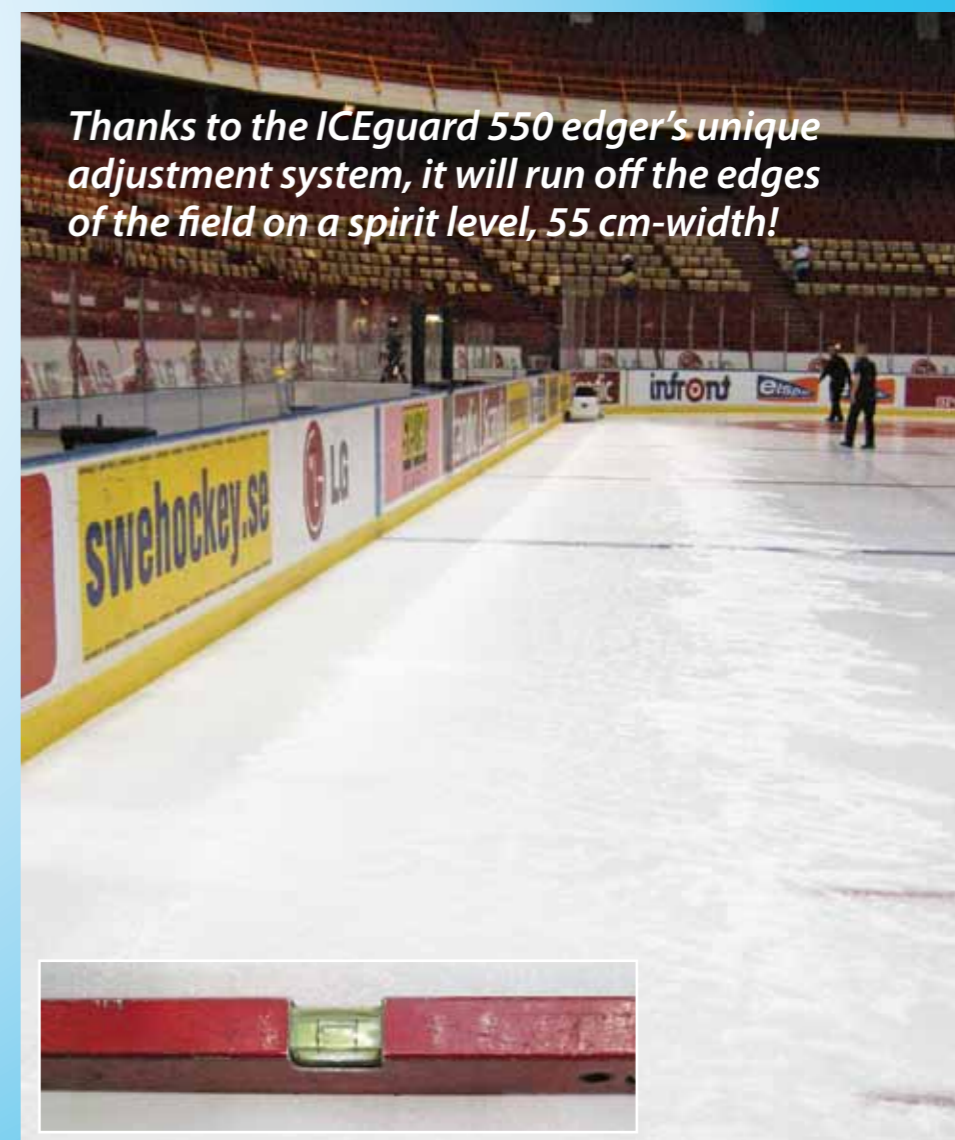
Battery's maximum discharge rate 1.98 V to cell voltages.

- Special batteries, battery-operated vehicles, the recommended time 1 hour
- Normal car starter batteries, the recommended time of 5 hours

- **The battery is too empty**
Deep discharge state, cell voltage drops below 1.98 V

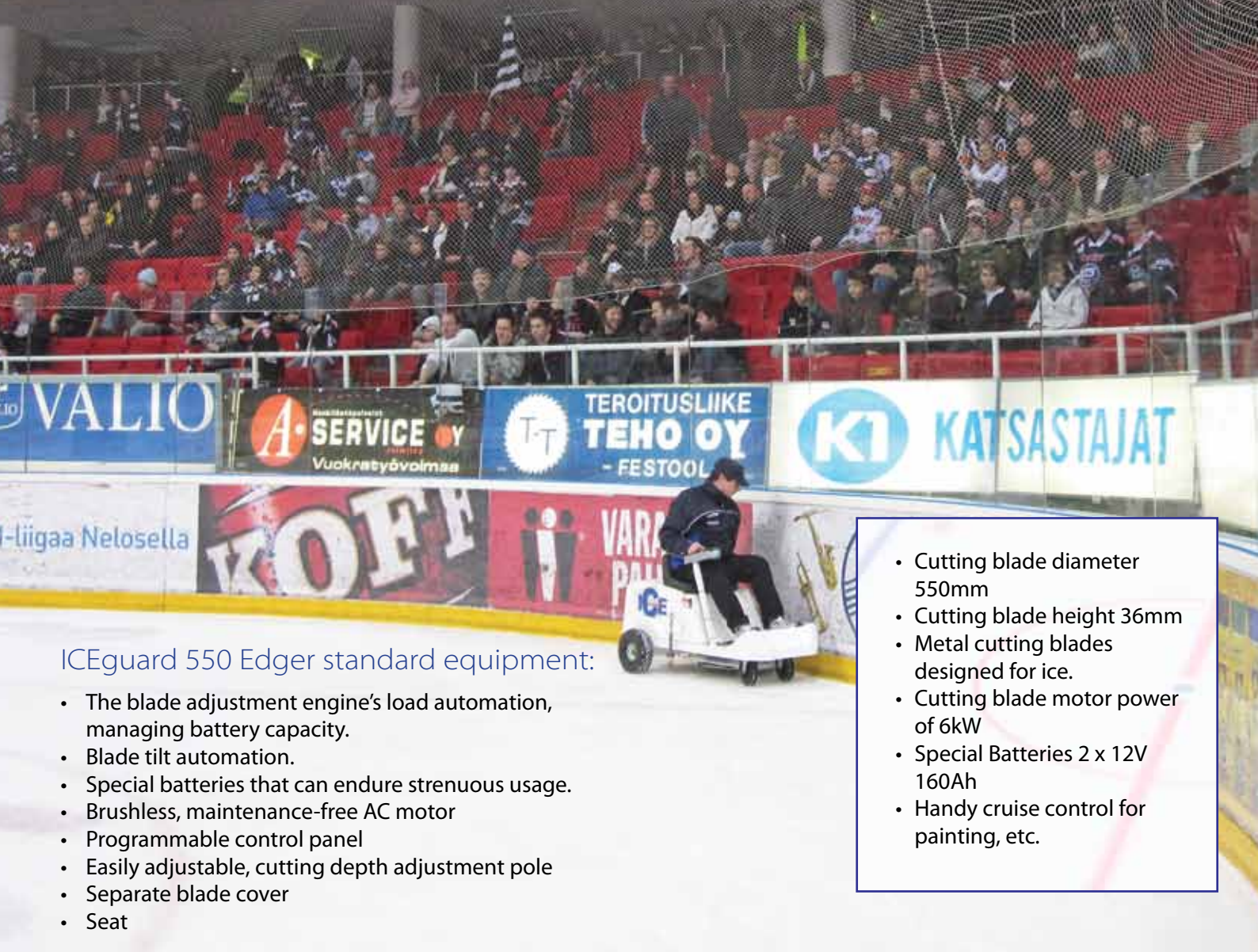
In the deep-discharge mode, there will come sulfides on the surface of cells, which will prevent the battery's fully functioning and fully loading.

ICEguard load adjustment is also automated to prevent overloading of the battery. It is equipped with the largest battery capacity in the market. 2 x 12V 160Ah batteries, providing 2.7 kWh of power. Battery capacity calculation formula: kWh = Volt * nominal power Amp. * 70% (the remaining 30% would cause battery discharge state)



Thanks to the ICEguard 550 edger's unique adjustment system, it will run off the edges of the field on a spirit level, 55 cm-width!





ICEguard 550 Edger standard equipment:

- The blade adjustment engine's load automation, managing battery capacity.
- Blade tilt automation.
- Special batteries that can endure strenuous usage.
- Brushless, maintenance-free AC motor
- Programmable control panel
- Easily adjustable, cutting depth adjustment pole
- Separate blade cover
- Seat

- Cutting blade diameter 550mm
- Cutting blade height 36mm
- Metal cutting blades designed for ice.
- Cutting blade motor power of 6kW
- Special Batteries 2 x 12V 160Ah
- Handy cruise control for painting, etc.



The ICEguard 550 is manufactured to meet the high quality control standards of the automotive industry.



In the images; phosphate treatment which is also made to the inner parts of the hull.



Optional features:

- Automated laser-assisted height adjustment.
- Coupling hook for pulling painting equipment.

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