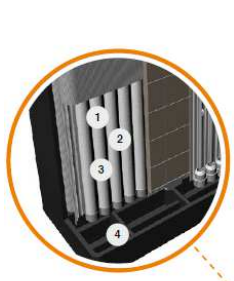
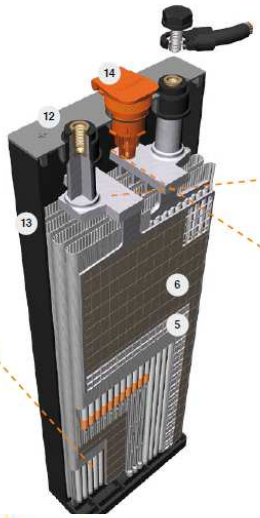
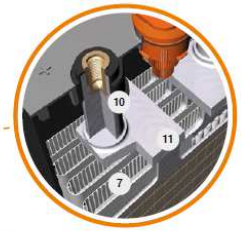
Hydrosave batterijen

Sunlight HydroSave Series, is a Low Maintenance series created to enhance the solution portfolio offered to our customers in the Material Handling industry.

HydroSave Cells are designed to extend the intervals between the required top ups with water.







Increased head space

HYDROSAVE

1 Positive Grid

Die Casted Grid using Optimized Lead - Low Antimony Alloy

✓ High tensile strength, corrosion resistance, excellent interface with the active mass

2 Positive Active Mass

100% Red Lead

✓ Efficient formation ensures that full cell capacity is achieved after 3-5 cycles

Dry filling Process

✓ Uniformly filled positive plates, 100% weight controlled

In house Red Lead production

✓ Constant quality, homogeneous tamped density

Produced by **99,99% Primary** Lead

✓ Long service life, high conductivity, increased performance

3 Gauntlet

Non woven, high quality polyester

✓ Prevents mass shedding, high mechanical stability

4 Bottom Bar

Ultrasonically Welded

✓ Provides space for the unavoidable growth of the spine

5 Negative Grid

Gravity Casted Grid using Optimized Lead - Antimony Alloy

✓ High tensile strength, corrosion resistance, low water consumption

6 Negative Active Mass

In house production of **Lead Oxide**

✓ Constant quality

Fully automatic Vacuum Negative Paste Mixing Process

✓ Consistency of the Negative Active Mass

7 Separator

Highly porous Polyethylene, enveloped using mechanically crimped sleeve

✓ Increased performance preventing short-circuits

8 Formation & Activation

Fully automatic Jar Formation process

✓ Constant quality in each and every cell

9 Electrolyte

High Purity

✓ Long life performance

10 Pole Terminal

Innovative conical design of the pole sealing system

✓ Uses the unavoidable growth of the plates to press against the grommet and improve the sealing

Tin plated **16 mm diameter inserts**

11 Pole Bridge

Cast On Strap manufactured pole bridge

✓ Consistent & uniform composition ensures superior connections

12 Lid

Polypropylene reinforced lid thermo-welded to the container

13 Cell Container

Polypropylene container with reduced prism height

✓ Maximum electrolyte volume

14 Operational Vent Plug

Electrolyte level marking, anti-surge baffle, free cell gassing

✓ Increased operational safety

CELECTRIC THE ENERGY CO.

Hydrosave batterijen

Voor- en nadelen Hydrosave ten opzichte van standaard loodzuurbatterijen.

Voordelen	Nadelen
De water bijvul interval kan verlengd worden.	Bij kortere laadtijden (< minder dan 12uur) gaat het waterverbruik omhoog
Een batterij met een 12-urige Belatron HF lader heeft een water bijvul interval van 2 maanden	Batterijen en laders voorzien van zuurcirculatie zijn in aanschaf duurder en zijn storingsgevoeliger
Een batterij met een 12-urige Belatron HF lader en zuurcirculatie heeft een water bijvul interval van 3 maanden	Hydrosafe batterijen zijn duurder en de beschikbare range is beperkter
	Geeft niet in alle omstandigheden het gewenste effect (m.n. koel- en vrieshuis en bij zware inzet)
	Door de langere interval/ minder bezoeken is de bewakingsfunctie slechter