

## Industrial Batteries / Network Power

### Classic OCSM

»**Energy delivery**  
with **high efficiency**«



## Classic OCSM

### Safe energy storage for stationary battery systems

Classic OCSM batteries are a powerful and reliable energy supply with high current discharge capability due to a unique negative electrode construction and excellent energy storage capacity over the exceptional long life.

#### Your benefits:

- > **High current discharge capability** – enhanced power output
- > **High cyclic application capacity** – longer lifetime
- > **Low maintenance effort** – saving costs
- > **Completely recyclable** – low CO<sub>2</sub> footprint



#### Specifications:

- > Nominal capacity 170 - 3804 Ah C<sub>10</sub>
- > 20 years design life and service life at 20 °C ambient temperature (80 % remaining capacity from C<sub>10</sub>)
- > Positive tubular plate and negative CSM (copper) plate technology
- > Also available in dry charged condition with separate electrolyte
- > Container made from high quality transparent plastics
- > Flame arresting ceramic plugs according to DIN 40 740 are available if required
- > Complies with the international standard IEC 60896-11
- > Manufactured in Europe in our ISO 9001 certified production plants
- > Low gassing due to antimony alloy < 3 % (EN 50272-2)



20 years  
design life



Nominal  
capacity  
170 – 3804 Ah



Single cell



Tubular plate



Recyclable



Low  
maintenance

## Classic OCSM

### Technical data

#### Technical characteristics and data

| Type            | Part number     | Nom. voltage<br>V | Nominal capacity<br>C <sub>10</sub> 1.80<br>Vpc 20 °C<br>Ah | Length (l)<br>max. mm | Width (b/w)<br>max. mm | Height *<br>(h)<br>max. mm | Installed length<br>mm | Weight cell incl. acid<br>approx. kg | Weight acid**<br>approx. kg | Internal resistance<br>mOhm | Short circuit current<br>A | Terminal | Pole pairs |
|-----------------|-----------------|-------------------|-------------------------------------------------------------|-----------------------|------------------------|----------------------------|------------------------|--------------------------------------|-----------------------------|-----------------------------|----------------------------|----------|------------|
| 2 OCSM 160 LA   | NVOC020160WC0FA | 2                 | 170                                                         | 126                   | 208                    | 522                        | 136                    | 19.8                                 | 8.40                        | 1.34                        | 1567                       | F-M8     | 1          |
| 3 OCSM 240 LA   | NVOC020240WC0FA | 2                 | 255                                                         | 126                   | 208                    | 522                        | 136                    | 22.6                                 | 8.20                        | 0.89                        | 2351                       | F-M8     | 1          |
| 4 OCSM 320 LA   | NVOC020320WC0FA | 2                 | 340                                                         | 126                   | 208                    | 522                        | 136                    | 25.1                                 | 7.90                        | 0.67                        | 3184                       | F-M8     | 1          |
| 5 OCSM 400 LA   | NVOC020400WC0FA | 2                 | 425                                                         | 126                   | 208                    | 522                        | 136                    | 28.3                                 | 8.20                        | 0.53                        | 3918                       | F-M8     | 1          |
| 6 OCSM 480 LA   | NVOC020480WC0FA | 2                 | 510                                                         | 147                   | 208                    | 522                        | 157                    | 33.1                                 | 9.70                        | 0.44                        | 4701                       | F-M8     | 1          |
| 7 OCSM 560 LA   | NVOC020560WC0FA | 2                 | 595                                                         | 168                   | 208                    | 522                        | 178                    | 37.9                                 | 11.0                        | 0.38                        | 5485                       | F-M8     | 1          |
| 5 OCSM 575 LA   | NVOC020575WC0FA | 2                 | 591                                                         | 147                   | 208                    | 698                        | 157                    | 41.8                                 | 13.4                        | 0.43                        | 4808                       | F-M8     | 1          |
| 6 OCSM 690 LA   | NVOC020690WC0FA | 2                 | 709                                                         | 147                   | 208                    | 698                        | 157                    | 45.4                                 | 13.3                        | 0.36                        | 5769                       | F-M8     | 1          |
| 7 OCSM 805 LA   | NVOC020805WC0FA | 2                 | 827                                                         | 215                   | 193                    | 698                        | 225                    | 58.3                                 | 17.3                        | 0.31                        | 6731                       | F-M8     | 2          |
| 8 OCSM 920 LA   | NVOC020920WC0FA | 2                 | 946                                                         | 215                   | 193                    | 698                        | 225                    | 61.9                                 | 17.7                        | 0.27                        | 7692                       | F-M8     | 2          |
| 9 OCSM 1035 LA  | NVOC021035WC0FA | 2                 | 1064                                                        | 215                   | 235                    | 698                        | 225                    | 71.6                                 | 21.6                        | 0.24                        | 8654                       | F-M8     | 2          |
| 10 OCSM 1150 LA | NVOC021150WC0FA | 2                 | 1182                                                        | 215                   | 235                    | 698                        | 225                    | 75.7                                 | 21.8                        | 0.21                        | 9615                       | F-M8     | 2          |
| 11 OCSM 1265 LA | NVOC021265WC0FA | 2                 | 1300                                                        | 215                   | 277                    | 698                        | 225                    | 86.3                                 | 26.5                        | 0.19                        | 10577                      | F-M8     | 2          |
| 12 OCSM 1380 LA | NVOC021380WC0FA | 2                 | 1418                                                        | 215                   | 277                    | 698                        | 225                    | 88.9                                 | 26.4                        | 0.18                        | 11538                      | F-M8     | 2          |
| 11 OCSM 1595 LA | NVOC021595WC0FA | 2                 | 1743                                                        | 215                   | 277                    | 848                        | 225                    | 106                                  | 33.3                        | 0.19                        | 10820                      | F-M8     | 2          |
| 12 OCSM 1740 LA | NVOC021740WC0FA | 2                 | 1902                                                        | 215                   | 277                    | 848                        | 225                    | 110                                  | 32.8                        | 0.17                        | 11803                      | F-M8     | 2          |
| 14 OCSM 2030 LA | NVOC022030WC0FA | 2                 | 2219                                                        | 215                   | 400                    | 824                        | 225                    | 143                                  | 47.8                        | 0.15                        | 13770                      | F-M8     | 3          |
| 16 OCSM 2320 LA | NVOC022320WC0FA | 2                 | 2536                                                        | 215                   | 400                    | 824                        | 225                    | 152                                  | 46.9                        | 0.13                        | 15738                      | F-M8     | 3          |
| 18 OCSM 2610 LA | NVOC022610WC0FA | 2                 | 2853                                                        | 215                   | 490                    | 824                        | 225                    | 178                                  | 57.9                        | 0.11                        | 17705                      | F-M8     | 4          |
| 20 OCSM 2900 LA | NVOC022900WC0FA | 2                 | 3170                                                        | 215                   | 490                    | 824                        | 225                    | 186                                  | 55.6                        | 0.10                        | 19672                      | F-M8     | 4          |
| 22 OCSM 3190 LA | NVOC023190WC0FA | 2                 | 3487                                                        | 215                   | 580                    | 824                        | 225                    | 214                                  | 69.0                        | 0.09                        | 21639                      | F-M8     | 4          |
| 24 OCSM 3480 LA | NVOC023480WC0FA | 2                 | 3804                                                        | 215                   | 580                    | 824                        | 225                    | 222                                  | 67.1                        | 0.08                        | 23607                      | F-M8     | 4          |

\*The above mentioned height can differ depending on the used vent(s).

\*\*Acid density dN = 1.26 kg/l

#### Container, terminal and torque

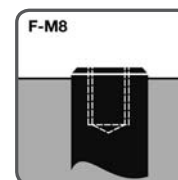
> **Container:** SAN (Styrene acrylonitrile)

Figures are also valid for dry charged version.

Change »W« (wet) to »D« (dry) in the part number. E.g.:

> **filled and charged:** NVOC020160 **W** C0FA

> **dry charged:** NVOC020160 **D** C0FA

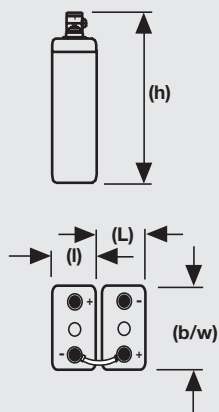


20 Nm

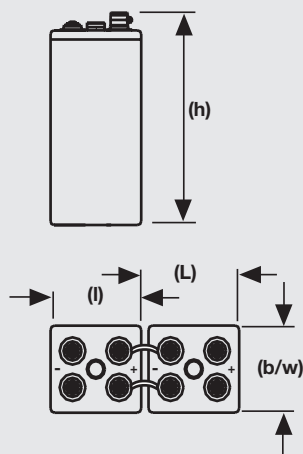
## Classic OCSM

### Drawings

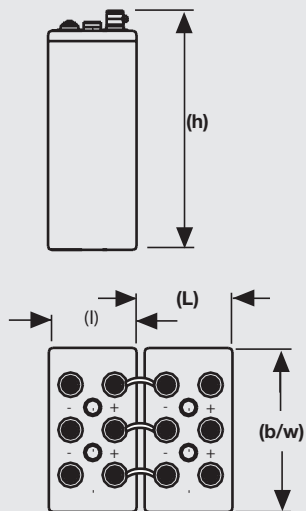
2 OCSM 160 LA -  
6 OCSM 690



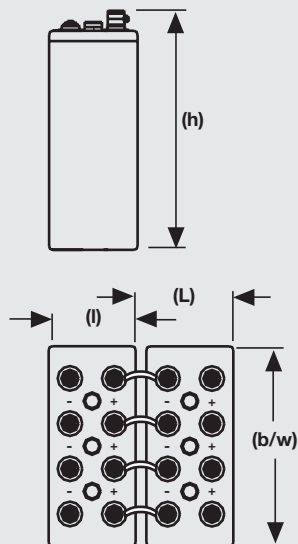
7 OCSM 805 LA -  
12 OCSM 1740 LA



14 OCSM 2030 LA -  
16 OCSM 2320 LA



18 OCSM 2610 LA -  
24 OCSM 3480 LA



Not to scale!



**Exide Technologies**, with operations in more than **80 countries**, is one of the world's largest producers and recyclers of lead-acid batteries. Exide Technologies provides a comprehensive and customized range of stored electrical energy solutions. Based on **over 100 years of experience** in the development of innovative technologies, Exide Technologies is an esteemed partner of OEMs and serves the spare parts market for industrial and transportation applications.

**GNB® INDUSTRIAL POWER** – A division of Exide Technologies – offers an **extensive range of storage products and services**, including solutions for telecommunication systems, railway applications, mining, photovoltaic (solar energy), uninterrupted power supply (UPS), electrical power generation and distribution, fork lifts and electric vehicles.

**Exide Technologies** takes pride in its commitment to a better **environment**. Its Total Battery Management programme, (an integrated approach to manufacturing, distributing and recycling of lead-acid batteries), has been developed to ensure a safe and responsible life cycle for all of its products.

**EXIDE** Distributionscenter Berlin  
**ELEKTRO.TEC GmbH**  
 Eichborndamm 129-139  
 D-13403 Berlin

Tel.: 030/4111024  
 Fax: 030/4111025

[www.elektrotec-berlin.de](http://www.elektrotec-berlin.de)

[info@elektrotec-berlin.de](mailto:info@elektrotec-berlin.de)



»The **next Level** of  
**Energy Management**«

**GNB® INDUSTRIAL POWER** provides long lasting energy concepts that combine efficiency with flexibility.