GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

TENSOR xGEL
INDUSTRIAL BATTERIES / MOTIVE POWER

TENSOR®
XGEL

TENSOR xGEL
HIGH PERFORMANCE
AND ZERO MAINTENANCE

GNB® Industrial Power, pioneer of Sonnenschein Gel and TENSOR technology, introduces **TENSOR xGEL:**
The (r)evolutionary battery technology which combines and multiplies the benefits of Sonnenschein Gel and TENSOR, fulfilling customer needs for a high-performance and maintenance-free traction battery.

The (R)evolutionary Fusion Of Sonnenschein Gel And TENSOR Technology

High performance   Maintenance-free (gel)

The Xtra of TENSOR xGEL Technology

TENSOR xGEL technology offers increased available capacity and decreased time required for recharging. Additionally, TENSOR xGEL cells minimize heat evolution inside the cells, thus increasing the battery's efficiency and service life. The no-fill / no-spill nature of the TENSOR xGEL battery means no watering is required. With its larger internal surface area, opportunity charging is also possible. Ideal for use as a replacement or alternative to standard flooded batteries, also in two-shift applications. The result is a versatile maintenance-free battery technology setting a new standard of valve regulated lead-acid batteries.

MAXIMUM AVAILABILITY

- Full recharge in 8 hours by using the exclusive **X-Profile**
- Suitable for intermediate/ opportunity charging in conjunction with the **X-Profile**
- Operational time comparable to standard flooded batteries

Technical Advantages & Your Benefits

dryfit® Gel technology / No water refilling

High energy content / Long operational times

Large cell capacities available / More power

High charge acceptance / Quick recharge

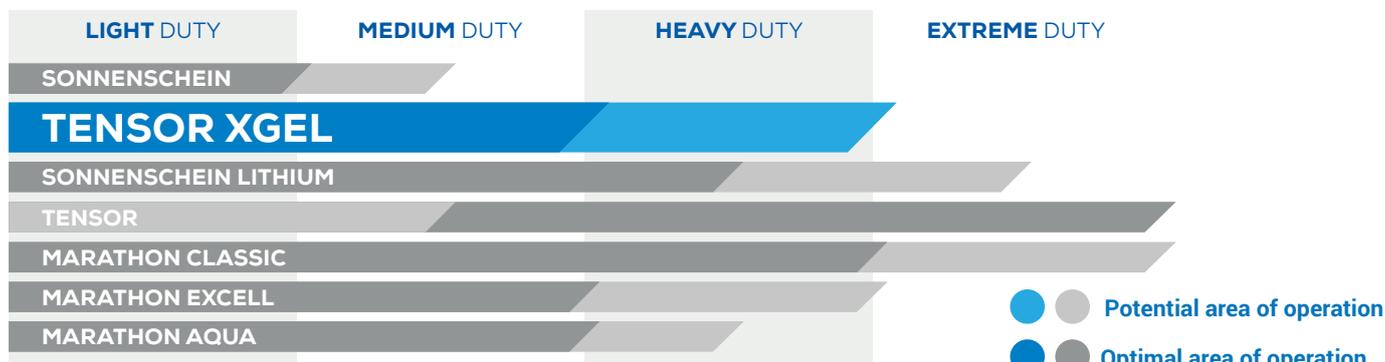**Robust & maintenance-free / Long service life**

Low internal resistance / High efficiency

"THE **MAINTENANCE-FREE** BATTERY THAT **MATCHES** OR EVEN **OUTPERFORMS** CONVENTIONAL TRACTION BATTERIES"

DISCOVER THE (R)EVOLUTION
AREA OF OPERATION

| LIGHT DUTY | MEDIUM DUTY | HEAVY DUTY | EXTREME DUTY |

SONNENSCHEIN

TENSOR XGEL

SONNENSCHEIN LITHIUM

TENSOR

MARATHON CLASSIC

MARATHON EXCELL

MARATHON AQUA

- ⬤ ⬤ **Potential area of operation**
- ⬤ ⬤ **Optimal area of operation**

Light Duty

Limited handling performance, 1 or 2-shift operations, Normal environmental conditions, indoor applications on even ground. Example: hand pallet truck in supermarket warehouse.

Medium Duty

Medium handling performance, 1 or 2-shift operations, Temperature variations and/or dust, Partial outdoor applications, uneven ground. Example: 1-2t forklift at a loading ramp.

Heavy Duty

High handling performance, 2 or 3-shift operations, Elevated temperatures and/or dust, Partial outdoor applications, uneven ground. Examples: 3-5t forklift, order picker, VNA truck in warehouse.

Extreme Duty

Intense handling performance, 2 or 3-shift operations, High dust load, very high or low temperatures, Indoor/outdoor applications, Accessory equipment (clamps, multiple forks). Examples: Forklift over 5t, distribution centers, cold storage, mining, chemical industry.

Available TENSOR xGEL Cells

MARATHON CLASSIC	SONNENSCHEIN	TENSOR xGEL				
EPzS CELL TYPE	EPzV CELL TYPE	TCSV CELL TYPE	HEIGHT H1* [mm] / HEIGHT H2** [mm]	LENGTH L [mm]	CELL WEIGHT*** [Kg]	NOMINAL CAPACITY C_5 [Ah]
3 EPzS 270	3 EPzV 240	3 TCSV 300	462 / 492	65	16,9	300
4 EPzS 360	4 EPzV 320	4 TCSV 365	462 / 492	83	21,2	365
5 EPzS 450	5 EPzV 400	5 TCSV 490	462 / 492	101	28,2	490
6 EPzS 540	6 EPzV 480	6 TCSV 545	462 / 492	119	31,9	545
7 EPzS 630	7 EPzV 560	7 TCSV 625	462 / 492	137	36,0	625
8 EPzS 720	8 EPzV 640	8 TCSV 740	462 / 492	155	42,7	740
9 EPzS 810	9 EPzV 720	9 TCSV 825	462 / 492	173	47,2	825
10 EPzS 900	10 EPzV 800	10 TCSV 940	462 / 492	191	53,4	940
3 EPzS 375	3 EPzV 300	3 TCSV 380	553 / 583	65	20,6	380
4 EPzS 500	4 EPzV 400	4 TCSV 450	553 / 583	83	26,5	450
5 EPzS 625	5 EPzV 500	5 TCSV 610	553 / 583	101	33,7	610
6 EPzS 750	6 EPzV 600	6 TCSV 690	553 / 583	119	38,6	690
7 EPzS 875	7 EPzV 700	7 TCSV 765	553 / 583	137	43,5	765
8 EPzS 1000	8 EPzV 800	8 TCSV 950	553 / 583	155	52,0	950
9 EPzS 1125	9 EPzV 900	9 TCSV 1035	553 / 583	173	56,7	1035
10 EPzS 1250	10 EPzV 1000	10 TCSV 1195	553 / 583	191	65,3	1195
3 EPzS 465	3 EPzV 360	3 TCSV 450	672 / 702	65	25,1	450
4 EPzS 620	4 EPzV 480	4 TCSV 545	672 / 702	83	31,3	545
5 EPzS 775	5 EPzV 600	5 TCSV 750	672 / 702	101	40,7	750
6 EPzS 930	6 EPzV 720	6 TCSV 870	672 / 702	119	47,1	870
7 EPzS 1085	7 EPzV 840	7 TCSV 920	672 / 702	137	51,8	920
8 EPzS 1240	8 EPzV 960	8 TCSV 1130	672 / 702	155	63,0	1130
9 EPzS 1395	9 EPzV 1080	9 TCSV 1210	672 / 702	173	70,2	1210
10 EPzS 1550	10 EPzV 1200	10 TCSV 1540	672 / 702	191	79,0	1540

*over cell lid, **total height incl. connector and screw, ***filled and charged (tolerance +/-5%)

Exide Technologies, with operations in more than 80 countries and more than 120 years of experience, is one of the world's largest producers and recyclers of lead-acid batteries. The company develops state-of-the-art energy storage solutions for the automotive and industrial market. Leading car, truck and lift truck manufacturers trust in Exide Technologies as an original equipment supplier. Exide also serves the aftermarket through a portfolio of successful and well-known brands.

Exide Transportation manufactures batteries for light and commercial vehicles, as well as agricultural and marine leisure applications. Industrial markets – under the division **GNB Industrial Power** – include efficient energy storage solutions for motive power applications such as lift trucks, cleaning machines and other commercial electrical vehicles, and network power applications such as telecommunications systems, renewables, and uninterruptible power supply (UPS).

Exide's engineers have always been at the forefront of bringing important innovations to the industry. Exide's ISO/TS-certified manufacturing facilities ensure that customers receive products that are produced with maximum efficiency and fulfill the highest quality standards, while minimizing impact on the environment.

Exide's extensive sales and distribution network provides quality service and delivers on time to its customers. Its world-class recycling facilities ensure that batteries will be reused, helping to make a positive contribution to the environment. Exide also provides services, accessories and energy consulting to its clients.

- Manufacturing plants
- Recycling plants
- Additional distribution centers
- European headquarter
- Main sales offices

All production facilities ISO 9001 certified
Automotive plants ISO/TS 16949 approved
Manufacturing plants ISO 14001 certified

EXIDE®
TECHNOLOGIES

POWERING THE
WORLD **FORWARD**

www.exide.com