

## Industrial Batteries

### Network Power battery ranges



A global brand with a solid reputation and technical image among VRLA battery consumers. Brand longevity is a key feature of this product line which was first developed in 1957. Available in several ranges with up to 20 years design life, Sonnenschein has produced more than 40 million batteries. Benefits are experience, robustness and reliability. Made in Germany, Sonnenschein signifies the invention of the Gel battery with its innovative dryfit® technology.



This brand represents traditional vented lead-acid technology with liquid electrolyte. The Planté (GroE) product range has over 100 years of field performance history. The Flat plate and Tubular product ranges have in excess of 60 years of proven performance. The Classic brand offers reliability for the widest variety of applications. This well known brand benefits from a good reputation in the market and many years of proven reliability.



One of the most recognized brands in the large valve regulated global stationary battery market. It is used on all 20-year valve regulated AGM types. Established in 1983, the Absolyte brand has appeared on over 10 million cells installed around the globe. Standing for reliability, quality, technology, and safety this brand has four generations of technical innovation and continuous improvements. It is the foundation for GNB's entire family of valve regulated AGM products.



Introduced in 1996, the Marathon brand has established a reputation of performance and quality. It is used on valve regulated AGM batteries with long design life. The product range offers performance for long duration back up power needs, a market which continues to strongly grow all over the world.



Introduced in 1996, the Sprinter brand represents high performance and outstanding power density. It is the reference for UPS valve regulated AGM monoblocs. The Sprinter range offers excellent high rate performance for demanding short duration back up times. The brand has gained global acceptance and the product line is continuously expanding to fulfill customers demands.



This brand represents valve regulated lead-acid block batteries with AGM technology for standard commercial standby applications. Its excellent price/ performance ratio makes Powerfit extremely competitive in the market. This range, focussed on small capacities, is particularly popular in small emergency equipments.

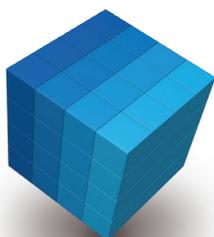
### GNB® is the Expert

Who could do this job better than the professionals of a company with more than 120 years of experience in battery development, production and application?

**Leave the responsibility for the maintenance of your batteries and chargers to the professionals: a GNB service contract provides you with exceptional economic advantages through time savings, cost savings and safety!**

### Installation of Batteries and Systems for Network Power

- > Development of complete turnkey solutions from the design concept to installation and commissioning.
- > Installation according to legal and safety regulations including CE certification by approved installation technicians.
- > Training and certification of external installation technicians according to CE regulations.



- ✦ Inspection Contract
- ✦ Maintenance Contract
- ✦ Lifetime Warranty Contract
- ✦ Full Service Contract



**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 120 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 automotive 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, renewable 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. 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.

**GNB® INDUSTRIAL POWER** devises enduring energy concepts that convince with efficiency, flexibility and profitability.

Industrial Batteries

Network Power



»Powering the world  
with reliable energy«



# Industrial Batteries

## Network Power battery ranges



### Applications

- Telecom 
- UPS 
- Emergency lighting 
- Security 
- Utility 
- Railways 
- Renewables  
Grid energy storage 
- Universal 

A400 / A400 FT	A500	A600	A700	RAIL	A600 SOLAR	SOLAR, SOLAR BLOCK	PowerCycle
✓	✓	✓	✓				✓
✓	✓		✓				✓
✓	✓	✓					
✓	✓	✓	✓				
✓		✓	✓				✓
✓	✓	✓	✓	✓			✓
					✓	✓	✓
✓	✓	✓	✓				✓

### Specifications

- Nominal capacity in Ah 
- Plate technology 
- Life time 
- Cycles 
- Block battery 
- Single cell 
- Proof against deep discharge  
Acc. to DIN 43539 part 5 
- Maintenance-free  
(no topping up) 

5.5 - 180 / 120 - 165	1.2 - 200	100 - 3286	63.0 - 280	33.0 - 240	294 - 3919	6.60 - 330	180
Grid plate	Grid plate	Tubular plate	Grid plate	Grid plate	Tubular plate	Grid plate	Grid plate
>12 years Very long Life	10-12 years Long Life	Cells: 20 years blocks: 15 years	>12 years Very long Life				up to 20 years
				up to 800	up to 3000+	up to 1200	up to 1600
✓	✓	✓	✓	✓		✓	✓
		✓			✓		
✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓

The below table is only indicative and depends on the specific customer application. For more information please ask a GNB sales representative.

## Classic®

GroE	OCSM	OPzS	OGi	Energy Bloc	rail	OPzS Solar	Ener-Sol T
	✓	✓	✓	✓			
	✓		✓	✓			
		✓	✓	✓			
	✓	✓					
✓	✓	✓	✓	✓			
	✓		✓	✓	✓		
						✓	✓
	✓	✓	✓	✓			

75.0 - 2600	170 - 3804	50 - 12000	260 - 1600	61.0 - 340	40 - 190	70 - 4600	376 - 1282
Planté plate	Tubular plate + CSM	Tubular plate	Grid plate	Grid plate	Grid plate	Tubular plate	Tubular plate
25 years	20 years	20 years (< 3500 Ah) 15 years (≥ 3500 Ah)	20 years	15 years			
						up to 3000+	up to 2000
		✓		✓	✓	✓	
✓	✓	✓	✓			✓	✓

## MARATHON®

M - FT	L / XL
✓	✓
✓	✓
	✓
✓	✓
✓	✓
✓	✓

35 - 200	14 - 575
Grid plate	Grid plate
>12 years Very long Life	>12 years Very long Life
✓	✓
	✓
✓	✓

### ABSOLYTE®

GP	GX
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓
✓	✓

### Sprinter®

P/ XP	XP - FT
	✓
✓	✓
✓	✓
✓	✓
✓	✓

### Powerfit®

S100 / S300
✓
✓
✓

104 - 4800	2000 - 6000
Grid plate	Grid plate
20 years	20 years
1500	1500
✓	✓
✓	✓

24 - 195	155 - 186
Grid plate	Grid plate
10 -12 years Long life	10 -12 years Long life
✓	✓
✓	✓

1.2 - 38
Grid plate
S100 3-5 years
S300 5 years
✓
✓

#### An overview of the battery technologies:

#### ABSOLYTE®

#### Sprinter®

#### MARATHON®

#### Powerfit®

- > VRLA batteries (Valve Regulated Lead Acid) in which the electrolyte is fixed in an absorbent glass mat (AGM)
- > Excellent high current capability
- > Very economical
- > Maintenance-free (no topping up)

#### Sonnenschein®

- > VRLA batteries (Valve Regulated Lead Acid) in which the electrolyte is fixed in a gel (dryfit® technology)
- > Inventor of Gel technology
- > Highest reliability, even in non-optimal conditions
- > Particularly suitable for cyclic applications
- > Maintenance-free (no topping up)

#### Classic®

- > Conventional lead-acid batteries with liquid electrolyte
- > Extreme reliability, proven over decades
- > Low maintenance

