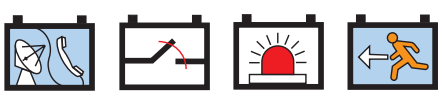
GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

Industrial Batteries / Network Power

Sprinter XP-FT

Xtra-Power

»Premium Quality.
Maintenance-free.Operational Reliability«



Sprinter®

Network Power

Reliable back-up power for every need

GNB® Industrial Power offers reliable energy storage solutions for critical systems requiring uninterrupted power supply. With a comprehensive product range based on state-of-the-art technologies, GNB delivers the right battery for every application.

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

Applications	Battery ranges																		
	Sonnenschein							Marathon		Sprinter		Absolyte	Powerfit	Classic					
	A400/ A600	A400 FT	A500	A700	SOLAR	RAIL	Power Cycle	M-FT	L/XL	P/XP	XP-FT	GP/GX	S100/ S300	GroE	OCSM	OPzS	Energy Bloc/OGi	Solar	rail
Telecom	●	●	●	●			●	●	●		●	●			●	●	●		
UPS	●	●	●	●			●	●	●	●	●	●			●		●		
Emergency lighting	●	●	●	●			●	●	●	●	●		●			●	●		
Security	●		●	●						●	●		●		●	●			
Utility	●	●		●			●	●	●			●		●	●	●	●		
Railways	●	●	●	●		●	●	●	●			●			●		●		●
Photovoltaic					●		●					●						●	
Universal	●	●	●	●			●	●	●	●	●	●	●		●	●	●		

Powerful product brands

ABSOLYTE® MARATHON®
Sprinter® Powerfit®

> VRLA batteries (**V**alve **R**egulated **L**ead **A**cid) in which the electrolyte is fixed in an **A**bsorbent **G**lass **M**at (AGM)
> Excellent high current capability
> Very economical
> Maintenance-free (no topping up)

Sonnenschein®

> VRLA batteries (**V**alve **R**egulated **L**ead **A**cid) 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

Sprinter XP-FT

Front Terminal AGM battery for high rate applications

Sprinter XP batteries are recognized for their incredibly high power density and impressive reliability for very short up to long back-up times. The Sprinter XP-FT comes with practical front terminal access which greatly facilitates installation and maintenance.
The proven Sprinter XP technology confirms GNB`s extensive experience and worldwide leadership in VRLA technology.

Your benefits:

> Enhanced power density compared to standard front terminal batteries – small footprint

> Optimised design for high current discharges

> Front Terminal design with handles – easy access for faster installation and maintenance

> Low self-discharge rate – extended storage capability

> Very short recharge time – high availability

> Maintenance free – no topping-up

Technical characteristics and data

	Type	Part number	Nom. voltage V	Power 10 min 1.60 Vpc 20°C W/block	Nominal capacity C_{10} 1.80 Vpc 20°C Ah	Length (l) max. mm	Width (b/w) max. mm	Height (h1) max. mm	Weight approx. kg	Internal resistance mOhm	Short circuit current A	Terminal
	XP12V4400FT	NAPF124400HP0FA	12	4380	155	559	125	283	54.3	4.0	3160	F-M6-90°
NEW	XP12V5300FT	NAPF125300HP0FA	12	5300	186	559	125	318	62.0	3.2	3892	F-M6-90°

Specifications:

> High-compression Absorbent Glass Mat (AGM) technology
> Designed in accordance with IEC 60896-21/-22
> Grid plates with superior lead calcium alloy for excellent corrosion resistance
> Very low gassing due to internal gas recombination (99% efficiency)
> Design life: »10-12 Years – Long Life« according to EUROBAT 2015 classification
> Approval: Underwriter Laboratories (UL)
> Available with standard or flame retardant (UL94-V0) container
> Central degassing feature available
> No restrictions for rail, road, sea and air transportation (IATA, DGR clause A67) of operational blocks
> Manufactured in Europe in ISO 9001 certified production plants

Design life 10-12 years - Long Life

Nominal capacity 155 -186 Ah

Block battery

Grid plate

Recyclable

Valve regulated lead-acid batteries

Maintenance free (no topping up)

Special high current performance

Sprinter XP-FT

Constant current discharge

1.60 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	731	618	443	345	209	152	119	70.1	49.9	31.8	20.6	16.7
XP12V5300FT	NAPF125300HP0FA	834	706	517	412	253	180	138	80.8	57.1	36.6	24.1	20.0

1.65 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	649	560	417	333	205	150	118	69.4	49.3	31.5	20.4	16.6
XP12V5300FT	NAPF125300HP0FA	773	664	494	397	247	177	136	79.9	57.0	36.4	24.0	19.9

1.70 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	572	505	386	314	201	148	117	68.7	48.9	31.2	20.3	16.5
XP12V5300FT	NAPF125300HP0FA	700	608	464	375	237	167	133	78.7	56.5	36.1	23.8	19.7

1.75 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	464	424	345	287	194	145	116	68.0	48.4	30.9	20.2	16.4
XP12V5300FT	NAPF125300HP0FA	618	546	425	346	225	155	130	76.7	55.0	35.8	23.6	19.5

1.80 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	414	381	314	268	185	141	113	65.9	47.2	29.9	19.6	16.0
XP12V5300FT	NAPF125300HP0FA	525	469	377	314	210	148	126	73.6	52.5	34.2	23.1	19.2

1.85 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	368	340	278	237	166	129	106	63.4	45.2	28.7	18.8	15.3
XP12V5300FT	NAPF125300HP0FA	443	402	336	286	196	144	122	70.7	49.7	32.8	22.2	18.4

1.90 Vpc – Discharge in A at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	299	294	242	206	146	115	96	57.8	41.3	26.5	17.2	14.0
XP12V5300FT	NAPF125300HP0FA	330	309	268	237	173	132	110	64.6	47.0	30.8	20.5	17.0

Sprinter XP-FT

Constant power discharge

1.60 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	6860	5995	4511	3605	2266	1648	1298	793	567	364	238	193
XP12V5300FT	NAPF125300HP0FA	8034	7056	5459	4326	2781	1945	1560	938	663	419	273	224

1.65 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	6283	5562	4305	3502	2225	1627	1287	788	564	363	237	192
XP12V5300FT	NAPF125300HP0FA	7622	6695	5202	4172	2760	1896	1546	908	646	409	270	220

1.70 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	5995	5335	4172	3409	2194	1607	1267	783	561	363	236	192
XP12V5300FT	NAPF125300HP0FA	7004	6129	4738	3873	2678	1810	1517	863	616	393	261	214

1.75 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	5356	4810	3790	3141	2081	1555	1246	773	557	360	235	192
XP12V5300FT	NAPF125300HP0FA	6180	5562	4378	3708	2524	1729	1479	826	590	381	254	210

1.80 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	4800	4377	3523	2915	1957	1473	1185	758	556	358	234	192
XP12V5300FT	NAPF125300HP0FA	5408	4944	4017	3451	2421	1660	1440	805	577	374	250	207

1.85 Vpc – Discharge in W/block at 25 °C

Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	4120	3729	3039	2565	1741	1318	1071	709	525	350	233	190
XP12V5300FT	NAPF125300HP0FA	4635	4223	3502	2987	2112	1513	1331	774	556	363	244	203

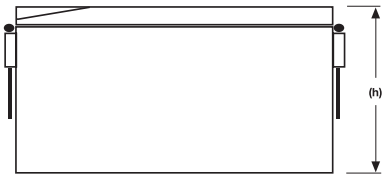
1.90 Vpc – Discharge in W/block at 25 °C

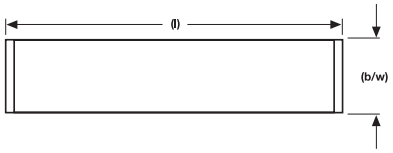
Type	Part number	3 min	5 min	10 min	15 min	30 min	45 min	1 h	2 h	3 h	5 h	8 h	10 h
XP12V4400FT	NAPF124400HP0FA	1483	1483	1483	1483	1483	1159	958	669	510	340	227	185
XP12V5300FT	NAPF125300HP0FA	3966	3708	3162	2730	1998	1419	1254	736	538	353	238	198

Sprinter XP-FT

Drawings, terminal and torque

Drawings, terminal and torque





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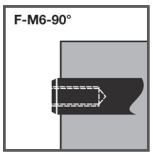

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Battery Service – Energy Solutions

GNB® Service

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

Leave the responsibility for the maintenance of your batteries and chargers to the experts: a GNB® service contract provides you with exceptional economic advantages through time and cost savings as well as higher 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

»GNB Service – individualized, professional and all over Europe!«

Sprinter XP-FT

Notes

GNB®
INDUSTRIAL POWER
A Division of Exide Technologies

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, 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. 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.

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

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