

trak[®] bloc

Maintenance-free monobloc traction batteries



Motive Power Systems

Reserve Power Systems
Special Power Systems
Service

Your benefits from HOPPECKE trak[®] bloc

- Maintenance-free AGM monobloc battery
- Up to 20% more capacity than similar battery systems of the same volume
- Outstanding properties under extreme conditions of use in cleaning machines and electric wheelchairs

Typical applications for HOPPECKE trak[®] bloc

- Cleaning machines
- Wheelchairs
- Golf carts and electric caddies
- Access platforms
- Boats, caravans and leisure uses



Similar to the illustration

Monobloc traction batteries with the HOPPECKE absorbent glass mat technology

HOPPECKE trak[®] bloc are sealed batteries for cyclical applications. With their compact design, these batteries are ideal for use in cleaning machines, wheelchairs, electric golf trolleys and caravans. Through use of absorbent glass mat technology the electrolyte is fixed, making these batteries maintenance-free and non-spillable.

trak[®] bloc battery technology was developed by HOPPECKE for the automotive industry at the beginning of the century and to date has offered excellent reliability and a long life expectancy in industrial applications.

■ Features of trak[®] bloc:

- Maintenance free traction battery
- Maximum energy density
- Very good resistance to vibration
- Excellent high-current behaviour
- Comprehensive product range
- Variety of connection options



■ Your benefits from trak[®] bloc:

- No topping up with water over the whole life of the battery
- Up to 20% more capacity than similar battery systems of the same volume
- Suitable for extreme conditions of use, especially in electric vehicles, electrical wheelchairs and cleaning machines
- Greater range for vehicles with high power consumption
- Compatible with almost all vehicles on the market
- Flexible battery design (horizontal position)

trak[®] bloc charging system

Voltage [V]	trak [®] bloc battery	chargers trak [®] bloc charging time ca. 10h
12V	12V (1x)12 TB 50-115	E230G12/15B-F11TBL-B8
12V	12V (1x)12 TB 130-170	E230G12/25B-F11TBL-C8
24V	24V (2x)12 TB 50-70	E230G24/10B-F11TBL-B8
24V	24V (2x)12 TB 80-170	E230G24/25B-F11TBL-C8
36V	36V (3x)12 TB 50-170	E230G36/25B-F11TBL-G
48V	48V (4x)12 TB 50-115	E230G48/18B-F11TBL-G
48V	48V (4x)12 TB 130-170	E230G48/30B-F11TBL-N

All units designed for mains operation at 207 V AC - 253 V AC and 50/60 Hz.
Automatic compensation for mains power fluctuations $\pm 10\%$.
Special voltages (110V 1~) on request.

TBL chargers

are suitable for all applications of trak[®] bloc batteries, in particular for industrial applications and for personal use.



■ Features of the trak[®] bloc chargers:

- Regulated chargers operating at high frequency
- Precise charging of the battery through micro-processor control
- Optimal assignment of charging currents to battery capacity
- Energy-saving charging (high degree of efficiency)
- Fully-automatic start, charging sequence, and fully-automatic disconnection
- LEDs show the state of charge, charging progress and events
- Diagnostic checks during charging, and automatic switching off in the event of malfunction
- Robust casing with wall mounting option
- Optional immobiliser
- Optional external state of charge display
- Capable of on-board installation

trak[®] bloc charging system

■ Your benefits from trak[®] bloc chargers:

- Special HOPPECKE charging characteristic -100% matching of charger and battery
- Guarantee of long cycling life
- Short charging times mean fast availability of battery capacity
- Low power consumption
- Reliability in operation
- Simplified handling due to automatic start of charging on contacting
- Small, lightweight chargers
- Suitable for the complete range of applications of trak[®] bloc batteries

trak[®] power mini

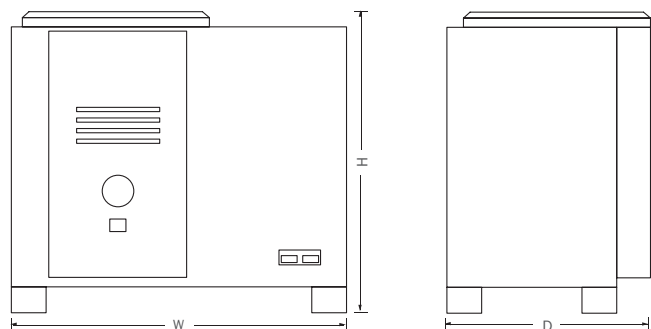
GEL-AGM system Sealed (Ah C ₅)	Charger type	Mains output [VA]	Mains current [A]	Mains fuse rating [A]
approx. 10h				
60 - 100	E 12/15 HOHF mini	245	1.2	10
100 - 260	E 12/30 HOHF mini	450	2.2	10
150 - 390	E 12/45 HOHF mini	720	3.5	10
201 - 520	E 12/60 HOHF mini	960	4.6	10
60 - 100	E 24/15 HOHF mini	450	2.2	10
100 - 260	E 24/30 HOHF mini	890	4.3	10
150 - 390	E 24/45 HOHF mini	1335	6.5	10
242 - 520	E 24/60 HOHF mini	1780	8.6	10
25-65	E 36/7,5 HOHF mini	313	1.6	10
50-100	E 36/15 HOHF mini	625	2.8	10
75-195	E 36/22 HOHF mini	916	4.0	10
100-260	E 36/30 HOHF mini	1250	5.4	10
25-65	E 48/7,5 HOHF mini	450	2.2	10
50-100	E 48/15 HOHF mini	890	4.3	10
75-195	E 48/22 HOHF mini	1335	6.5	10
100-260	E 48/30 HOHF mini	1780	8.6	10

Casing dimensions (W x H x D): 300 x 336 x 296 mm



Similar to the illustration

trak[®] power mini



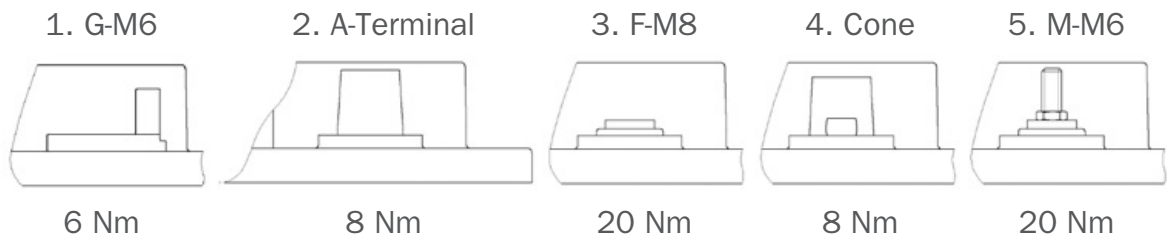
Product range and technical data

Maintenance free AGM monobloc batteries

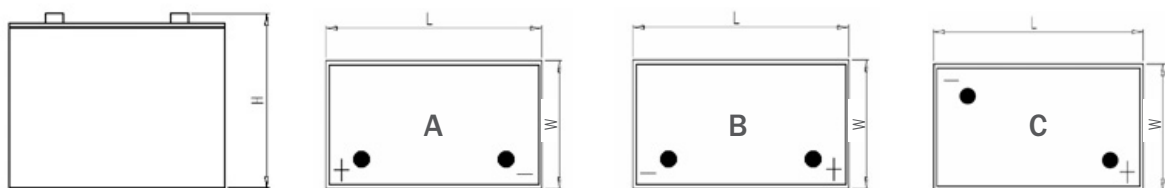
Type	Material number	Nominal voltage (V)	Nominal capacity C ₅ 30°C [Ah]	Nominal capacity C ₂₀ 30°C [Ah]	L [mm]	W [mm]	H [mm]	Weight [kg]	Terminals	Terminal layout	Pcs. per palett	Handle
12 TB 50	3213337050	12	50	55	232	177	190	19	2	B	38	yes
12 TB 50	3214337050	12	50	55	232	177	190	19	1	B	38	yes
12 TB 60	3213337060	12	60	65	267	177	190	23	2	B	32	yes
12 TB 70	3213337070	12	70	75	303	177	190	24	2	B	28	yes
12 TB 80	3213337080	12	80	85	342	177	190	31	2	B	24	yes
12 TB 90	3213337100	12	90	100	344	177	230	38	3	A	24	no
12 TB 90	3213337101	12	90	100	344	177	230	38	4	A	24	no
12 TB 90	3213337104	12	90	100	344	177	230	38	5	A	24	no
12 TB 115	3213337115	12	115	130	344	170	275	45	3	A	12	yes
12 TB 115	3213337116	12	115	130	344	170	275	45	5	A	12	yes
12 TB 115	3213337117	12	115	130	344	170	275	45	4	A	12	yes
12 TB 130	3213337130	12	130	150	498	177	230	55	3	A	16	no
12 TB 130	3213337131	12	130	150	498	177	230	55	4	A	16	no
12 TB 130	3213337132	12	130	150	498	177	230	55	5	A	16	no
6 TB 170	3213337170	6	170	185	242	170	275	32	3	C	21	no
6 TB 170	3213337171	6	170	185	242	170	275	32	5	C	21	no
6 TB 170	3213337172	6	170	185	242	170	275	32	4	C	21	no
6 TB 220	3213337220	6	220	226	308	168	272	40	3	C	14	no
6 TB 220	3213337221	6	220	226	308	168	272	40	5	C	14	no
6 TB 220	3213337222	6	220	226	308	168	272	40	4	C	14	no

The last digit varies according to the connection chosen.

Connection and torque



Terminal layout





Motive Power Systems



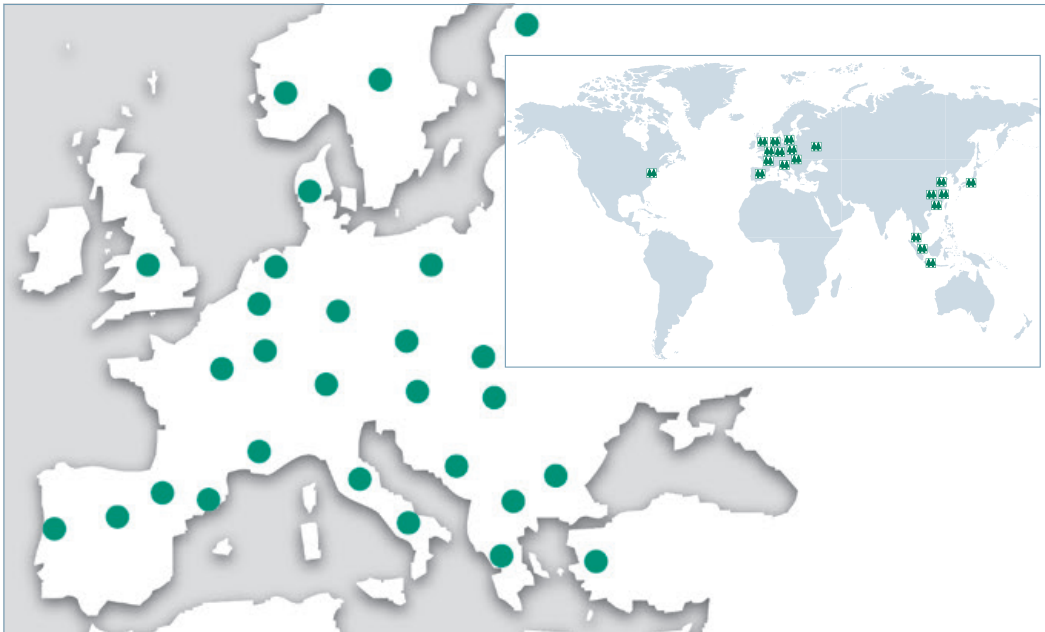
Reserve Power Systems



Special Power Systems



Service



HOPPECKE subsidiaries and factories - European sales and service network

Industrial batteries - Complete energy systems - Full Service

- Low-maintenance and no-maintenance batteries
- Innovative battery chargers based on the latest technology
- Battery accessories
- Battery management systems and software
- Battery changeover systems
- Battery/charger servicing
- Battery recycling
- Applications engineering and technology
- Battery room design
- Technical training and seminars
- Leasing
- Power by the hour

Your partner for sustainable energy solutions!

Further information on www.hoppecke.com

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HOPPECKE

POWER FROM INNOVATION