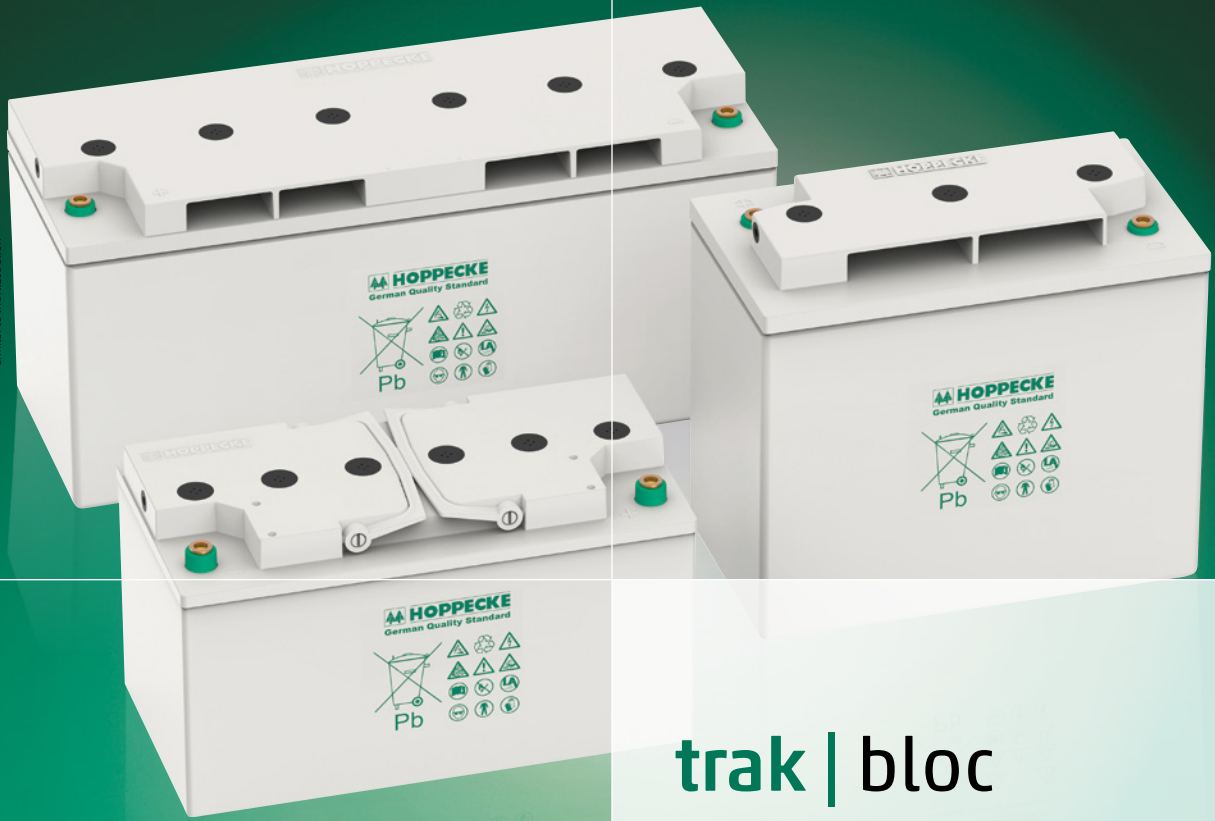


Similar to the illustration



trak | bloc

Maintenance-free
monobloc traction batteries

trak | bloc

Typical applications:

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

Your benefits:

- 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

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.

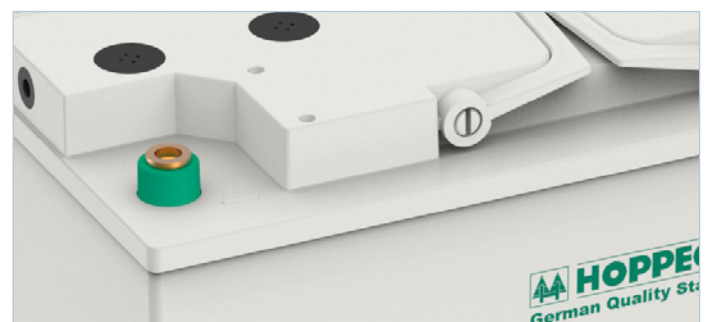
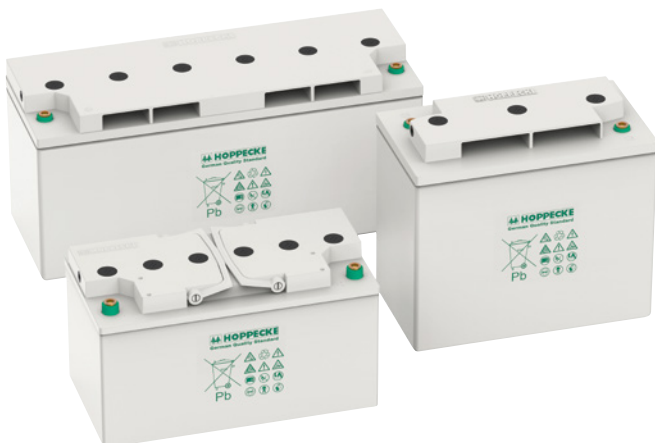
trak | bloc battery technology was developed by HOPPECKE for the automotive industry at the beginning of the century and to date has offered excellent reliability and a long life expectancy in industrial applications.

Features:

- 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:

- No topping up with water over the whole life of the battery
- Greater range for vehicles with high power consumption
- Compatible with almost all vehicles on the market
- Flexible battery design (horizontal position)



With the flexible connection system it is easy to choose the most suitable type of connection.

trak | bloc charging system

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 microprocessor 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

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

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



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

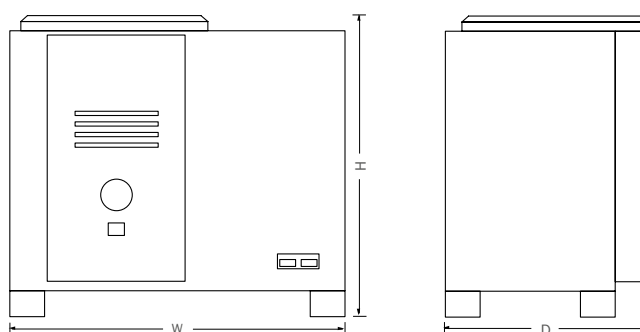
GEL-AGM system Sealed (Ah C5) approx. 10 h	Charger type	Mains output [VA]	Mains current [A]	Mains fuse rating [A]
60 - 100	E 12/15 HOHF mini	245	1.2	10
100 - 260	E 12/30 HOHF mini	450	2.2	10
150 - 390	E 12/45 HOHF mini	720	3.5	10
201 - 520	E 12/60 HOHF mini	960	4.6	10
60 - 100	E 24/15 HOHF mini	450	2.2	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

trak | power mini



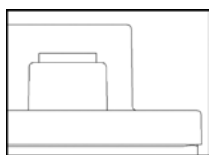
Similar to the illustration



Capacities, dimensions and weights

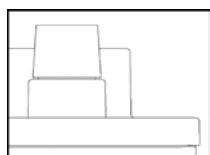
Type	Material number	Voltage (V)	Capacity C ₅ 30 °C (Ah)	Capacity C ₂₀ 30 °C (Ah)	Length L (mm)	Width W (mm)	Height H (mm)	Weight (kg)	Terminal	Terminal layout	pcs. per pallet	Handle
12 TB 50	3213387050	12	50	55	232	177	190	19	3	B	38	Yes
12 TB 50	3213387051	12	50	55	232	177	198	19	4	B	38	Yes
12 TB 50	3213387052	12	50	55	232	177	198	19	5	B	38	Yes
12 TB 60	3213387060	12	60	65	267	177	190	23	3	B	32	Yes
12 TB 60	3213387061	12	60	65	267	177	198	23	4	B	32	Yes
12 TB 60	3213387062	12	60	65	267	177	198	23	5	B	32	Yes
12 TB 70	3213387070	12	70	75	303	177	190	24	3	B	28	Yes
12 TB 70	3213387071	12	70	75	303	177	198	24	4	B	28	Yes
12 TB 70	3213387072	12	70	75	303	177	198	24	5	B	28	Yes
12 TB 80	3213389080	12	80	85	342	177	190	31	3	B	24	Yes
12 TB 80	3213389081	12	80	85	342	177	198	31	4	B	24	Yes
12 TB 80	3213389082	12	80	85	342	177	198	31	5	B	24	Yes
12 TB 90	3213307100	12	90	100	344	177	230	38	3	A	24	No
12 TB 90	3213307101	12	90	100	344	177	230	38	4	A	24	No
12 TB 90	3213307104	12	90	100	344	177	230	38	5	A	24	No
12 TB 115	3213319115	12	115	130	344	170	275	45	3	A	12	Yes
12 TB 115	3213319116	12	115	130	344	170	275	45	4	A	12	Yes
12 TB 115	3213319117	12	115	130	344	170	275	45	5	A	12	Yes
12 TB 130	3213307130	12	130	150	498	177	230	55	3	A	16	No
12 TB 130	3213307131	12	130	150	498	177	230	55	4	A	16	No
12 TB 130	3213307132	12	130	150	498	177	230	55	5	A	16	No
6 TB 170	3213317170	6	170	185	242	170	275	32	3	C	21	No
6 TB 170	3213317172	6	170	185	242	170	275	32	4	C	21	No
6 TB 170	3213317171	6	170	185	242	170	275	32	5	C	21	No
6 TB 220	3213307220	6	220	226	308	168	272	40	3	C	14	No
6 TB 220	3213307222	6	220	226	308	168	272	40	4	C	14	No
6 TB 220	3213307221	6	220	226	308	168	272	40	5	C	14	No

Terminal 3



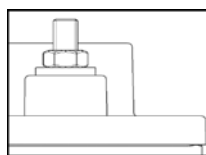
Screw-Terminal M8

Terminal 4



Screw-Terminal +
Cone-Adapter

Terminal 5

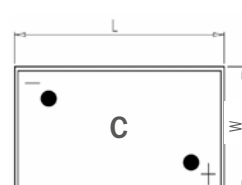
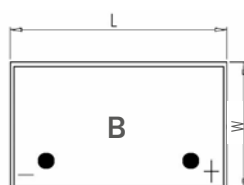
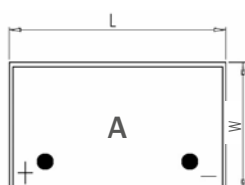
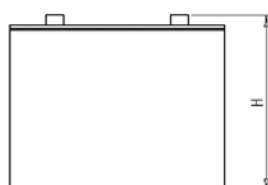


Screw-Terminal +
M6-Bolt-Adapter

12 TB 50
12 TB 60
12 TB 70
12 TB 80

12 TB 90
12 TB 115
12 TB 130
6 TB 170
6 TB 220

Terminal layout



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