

Datasheet

trak | bloc

01 Battery system

Technology	Maintenance-free - AGM (Absorbent Glass Mat)
Nominal voltage	See list
Capacity	See list
Dimensions	See list
Pole screws	M8
Options	Cone pole adapter
Depth of discharge (max.)	80%
Ability for opportunity charging	Yes
Ability for fast charging	Yes
Operating temperature range	-20 to +45°C
Ventilation requirements	According to DIN EN 62485-3
Recharging interval during storage	After 3 months at 20°C
Recuperation	Yes, up to 2.4V/cell
Application	Traction, equipment drive (e.g. lifting devices)
Nominal density of the electrolyte	1,29 kg/l
Service life	Up to 1,000 cycles at 30°C and 80% discharge depth
Protection class	IP 25 according to DIN 40050
Cell container	Impact resistant reinforced polypropylene, fire rating UL 94 HB
Positive electrode	grid plate
Negative electrode	grid plate
Separator	Nonwoven made of micro glass fiber
Pole design	M8 threaded pole, welded 100% gas and electrolyte sealed
Recommended charging procedure	IU, IUa according to DIN 41773 T1
Charging voltage main charging phase	2.4 V /cell
Charging current	Typically 15A/100Ah (higher currents possible)

02 Typical applications

- Cleaning machines
- Aerial work platforms
- Scissor lift truck
- Industrial trucks
- Golf carts and electric caddies

03 Your advantages

- Low maintenance costs - no need to refill water during the entire service life
- Long lasting - optimized cycle performance
- Saving energy costs - high energy efficiency
- Greater specific range - very good high current capability

04 Type overview

Typ	Length (mm)	Width (mm)	Height (mm)	Weight (kg)	nominal voltage (V)	C20 (Ah)	C10 (Ah)	C5 (Ah)	C4 (Ah)	C3 (Ah)	C2 (Ah)	C1 (Ah)	C0,5 (Ah)	Internal resistance * (mΩ)
12 TB 50	231	178	190	21	12	57	54	50	49	47	44	39	33	9,58
12 TB 60	267	178	190	23	12	70	65	62	59	57	53	47	40	8,42
12 TB 70	302	178	190	27	12	80	73	70	67	64	59	53	43	7,59
12 TB 80	342	178	190	31	12	91	84	80	77	73	67	59	52	7,14
12 TB 90 S	328	172	214	34	12	105	95	90	80	75	70	65	50	5,36
12 TB 90	344	177	230	38	12	105	97	92	89	86	77	70	61	5,85
12 TB 115	344	170	275	45	12	131	123	115	111	105	97	83	71	5,66
12 TB 120	327	181	270	48	12	146	128	120	112	104	98	88	72	4,76
12 TB 130	498	178	230	55	12	155	148	136	131	127	119	104	90	4,39
12 TB 172	529	206	221	64	12	210	186	172	161	150	137	122	103	3,04
6 TB 170	242	170	275	32	6	195	186	172	165	157	148	127	108	2,18
6 TB 185	260	181	265	37	6	210	197	185	178	168	155	135	117	1,85
6 TB 200	260	181	275	39	6	227	219	200	192	180	167	145	126	1,70
6 TB 200 C	308	169	239	36	6	220		200 (C6)						1,75
6 TB 220	308	170	275	41	6	263	255	231	221	211	197	174	151	1,35
8 TB 140	260	180	280	37	8	158	146	140	133	126	116	101	85	3,2

Note: when designing a battery container, a tolerance of +3mm per side must be considered
Using the cone pole adapter increases the battery height by 7.5 mm.

*: Valid for new blocks and in a fully charged state

