

ENGLISH

TAB MOTION MONOBLOCK BATTERIES



TAB Motion Pasted
TAB Motion Tubular
TAB Motion AGM
TAB Motion Gel

TAB Motion Pasted

is a flooded small traction battery with positive pasted plates (expanded or gravity casted).

ADVANTAGES:

- + excellent vibration resistance,
- + high rate discharge capability,
- + high performance in difficult working conditions,
- + economical and reliable ...

APPLICATIONS:

- + wheelchairs,
- + truck applications,
- + caravans and motorhomes,
- + battery driven carts,
- + boats,
- + cleaning machines,
- + solar systems ...

CHARGING:

- + The charging profile is Wa; WoWa, IUla; WUIa.



TAB Motion Pasted

Number of cycles: 300 (IEC / EN 60254-1 / 25 °C)

TAB ID	Short code	C100 (Ah)	C20 (Ah)	C5 (Ah)	Box Type	Voltage (V)	LxWxH (mm)	BHD	Layout	PCS per Pallet (EUR/CNT)	Weight (kg)
207860	50 P	70	60	50	L2	12	242x175x190	B13	0	63/90	16,6
207875	60 P	80	75	60	L3	12	278x175x190	B13	0	51/80	19,2
207905	85 P	115	105	85	L5	12	353x175x190	B13	0	36/60	24,6
206895	80 P	115	105	80	59518	12	312x175x212	B0	0	42/70	23,3
205105	105 P	125	120	105	60528	12	344x172x212/234	B0	0	36/48	26,5
206125	110 P	155	140	110	62512	12	344x172x262/284	B0	0	24/36	31,8
205835	110 P MAC	150	140	110	MAC 110	12	509x175x182/208	B0	3	24/40	34,3
205880	150 P	190	180	150	B	12	512x223x194/221	B0	3	21/35	43,3
205925	190 P	245	225	190	C	12	518x273x214/241	B0	3	18/24	56,1

All measures and weights are within standard production tolerances. Electrical values are approximate. Technical modifications are reserved without prior notice. Weight tolerance is ± 5 %.

TAB Motion Tubular

is a flooded small traction battery with positive tubular plates.

ADVANTAGES:

- + premium tubular plate construction with free electrolyte ensures long operating life,
- + high rate discharge capability,
- + for applications which are used in difficult working conditions,
- + reliable and durable - gives 1200 cycles performance ...

APPLICATIONS:

- + golf carts,
- + cleaning machines,
- + wheelchairs,
- + mobile elevating work platforms,
- + electric elevating platform trucks,
- + solar system ...

CHARGING:

- + The charging profile is Wa; WoWa, IUla; WUIa.



TAB Motion Tubular

Number of cycles: 1200 (IEC / EN 60254-1 / 25 °C)

TAB ID	Short code	C100 (Ah)	C20 (Ah)	C5 (Ah)	Box Type	Voltage (V)	LxWxH (mm)	BHD	Layout	PCS per Pallet (EUR/CNT)	Weight (kg)
113812	55 T	65	60	55	L3	12	278x175x190	B13	0	51/80	18,9
131812	90 T	115	110	90	59518	12	303x175x208/229	B1	0	42/70	28,7
101812	95 T	130	115	95	60528	12	344x172x212/234	B0	0	36/48	30,4
100812	120 T	155	140	120	62512	12	344x172x262/284	B0	0	24/36	37,5
112812	145 T	180	165	145	B	12	512x223x194/220	B0	3	21/35	47,5
135812	Golf Cart T	240	220	180	Golf Cart	6	244x190x270/281	B0	0	36/48	31,5
8380967	Golf Cart TS	270	250	210	Golf Cart	6	244x190x270/281	B0	0	36/54	32,4

All measures and weights are within standard production tolerances. Electrical values are approximate. Technical modifications are reserved without prior notice. Weight tolerance is ± 5 %.

TAB Motion AGM is a VRLA (Valve Regulated Lead Acid) battery with positive pasted plates (gravity casted) produced in Absorption Glass Mat technology.

ADVANTAGES:

- + 30 % higher energy density in comparison with flooded battery,
- + very low selfdischarge rate,
- + no corrosive exhaust (applicable for food industry and pharmacy),
- + robust design, stroke and vibration resistant,
- + low charging factor (1,08) lowers energy consumption,
- + electrolyte is kept immobilized in AGM (prevents leakage if housing is broken),
- + maintenance free - install and forget,
- + high starting performance ...

APPLICATIONS:

- + caravans, mobile homes,
- + boats,
- + wheelchairs,
- + cleaning machines,
- + alarm systems,
- + UPS and PV systems ...

CHARGING:

- + IU charging characteristic: $U_{ch} = 14,4 - 14,8 V$, $I_{ch\ max} = 0,25 \times C20$
- + IUa charging characteristic with equalizing charge step 2:
 - 1) $U_{ch} = 14,4 - 14,8 V$; $I_{ch\ max} = 0,25 \times C20$
 - 2) $I_a = 0,01 - 0,02 \times C20$; $U_{max} = 15,8 V$ max 2 h
- + Continuous charging (standby): $U = 13,5 - 13,8 V$ / bat at 20°C.



TAB Motion AGM

Number of cycles: 400 (IEC / EN 60254-1 / 25 °C)

TAB ID	Short code	C100 (Ah)	C20 (Ah)	C5 (Ah)	Box Type	Voltage (V)	LxWxH (mm)	BHD	Layout	PCS per Pallet (EUR/CNT)	Weight (kg)
172060	45 AGM	65	60	45	L2	12	242x175x190	B13	0	63/90	17,9
172070	55 AGM	75	70	55	L3	12	278x175x190	B13	0	48/80	20,5
172080	60 AGM	85	80	60	L4	12	315x175x190	B13	0	42/60	23,2
172090	70 AGM	100	95	70	L5	12	353x175x190	B13	0	36/60	26,0
172205	90 AGM	115	105	90	L6	12	394x175x190	B13	0	36/60	29,2

All measures and weights are within standard production tolerances. Electrical values are approximate. Technical modifications are reserved without prior notice. Weight tolerance is $\pm 5\%$.

TAB Motion Gel is a VRLA (Valve Regulated Lead Acid) battery with positive pasted plates (gravity casted) with electrolyte in the form of Gel. Casing is made of reinforced PP material. All this makes the battery reliable, maintenance-free all-rounder.

ADVANTAGES:

- + completely maintenance free - install and forget,
- + electrolyte is kept immobilized in Gel (prevents stratification of electrolyte, protected against spilling),
- + self-discharge less than 2 % a month which means less difficulties during transport and storage, depends on temperature,
- + no corrosive exhaust (applicable for food industry and pharmacy),
- + robust design, stroke and vibration resistant ...

APPLICATIONS:

- + caravans and mobile homes,
- + boats,
- + cleaning machines,
- + electrical vehicles,
- + solar systems,
- + UPS systems ...

CHARGING:

- + Chargers with IUUa and IUa charging characteristic
- + Cyclic application (2,30 - 2,35)V/Cell, maximum current $I_c = 30\% C5$ (e.g. $C5 = 105Ah$, $I_c = 31,5A$),
- + Equalising charge 2,70V/Cell, $t \leq 4h$, maximum current $I_e = 10\% I_c$ (e.g. $I_c = 31,5A$, $I_e = 3,15A$),
- + Stationary application (2,25 - 2,30)V/Cell, maximum current $I_c = 30\% C5$ (e.g. $C5 = 105Ah$, $I_c = 31,5A$),
- + Charging voltages are given at room temperature, otherwise temperature compensation 5mV/°C for Cell.



TAB Motion Gel

Number of cycles: 700 (IEC 60254-1)

TAB ID	Short code	C100 (Ah)	C20 (Ah)	C5 (Ah)	Box Type	Voltage (V)	LxWxH (mm)	BHD	Layout	PCS per Pallet (EUR/CNT)	Weight (kg)
215060	50 Gel	70	60	50	L3	12	278x175x190	B13	0	51/80	21,3
215080	70 Gel	90	80	70	L5	12	353x175x190	B13	0	36/60	25,8
215085	75 Gel	100	85	75	60528	12	352x175x211/232	B1	0	36/48	28,4
215105	105 Gel	140	125	105	62512	12	345x173x264/285	B0	0	36/48	37,9
215150	130 Gel	165	150	130	B	12	514x223x195/222	B0	3	21/35	50,5
215210	180 Gel	235	210	180	C	12	518x273x214/240	B0	3	18/24	68,3
215180	180 Golf Cart Gel	235	210	180	Golf Cart	6	243x189x252/273	B0	0	36/48	30,0

All measures and weights are within standard production tolerances. Electrical values are approximate. Technical modifications are reserved without prior notice. Weight tolerance is $\pm 5\%$.

TAB Motion in flooded and VRLA technology is a range of block batteries for all applications in small traction and leisure segment.

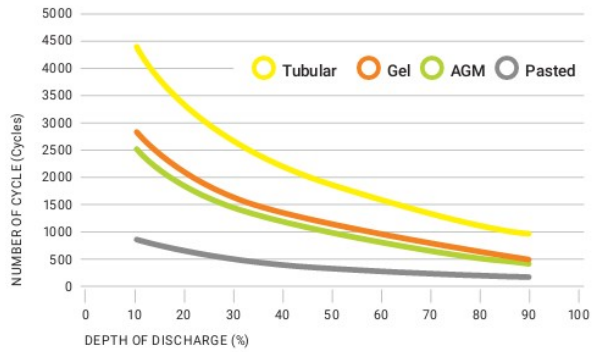
TAB Motion Pasted and **TAB Motion Tubular** are flooded batteries while **TAB Motion AGM** and **TAB Motion Gel** are gas recombination batteries. Both ranges have highest cyclic durability.

OPERATION:

To achieve optimal operating life avoid deep discharges. Never leave battery in a discharged state. Electrolyte level for flooded batteries has to be checked regularly and then filled with demineralized water.

The single point automatic watering system can be considered on some types. Valve regulated batteries with absorbed electrolyte (AGM) or gel electrolyte are sealed for life and need no watering.

DoD - Number of Cycles



V21-03-2021-EN (article p.8)

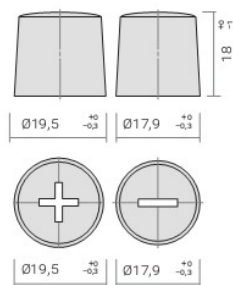
BOX TYPE

(LxWxH)

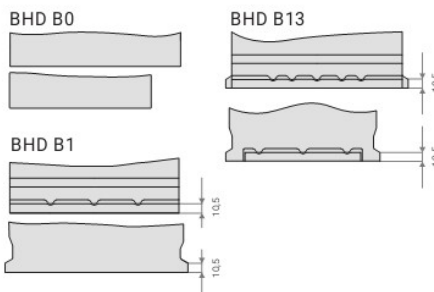


TERMINALS

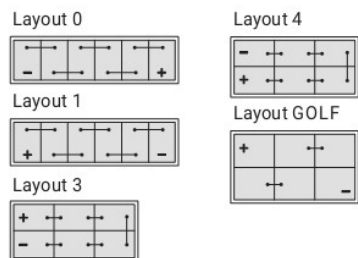
Terminal 1



BASE HOLD DOWN



LAYOUT



TAB Tovarna Akumulatorskih Baterij d.d., Polena 6, SI-Mežica 2392, Slovenia | info@tab.si | +386 (0)2 8702 300 | www.tab.si