

BEST SOLUTION FOR STORING SUN'S ENERGY.
PHOTOVOLTAIC SYSTEMS ARE BEST KNOWN AS A METHOD FOR GENERATING ELECTRIC POWER BY USING SOLAR CELLS TO CONVERT ENERGY FROM THE SUN INTO A FLOW OF ELECTRONS.
YOU CAN STORE SUN'S ENERGY FOR THE TIME WHEN NO SUN IS AVAILABLE.



TAB Motion

PASTED 300 cycles according to EN 60254-1. (Voltage: 12V)

EN 61427 EN 50342 EN 60254-1 EN 50342 DIN 43939

TYPE	Dimensions (mm) LxWxH/H2	Weight (kg)	BOX	Pcs. EUR pat.	LAYOUT	BHD	SOLAR C100 (Ah)	SLI C20 (Ah)	TRACTION CS (Ah)	SLI EN (A)	SLI DIN (A)
50 P	242-175-190	16,7	L2	57	0	813	70	60	50	480	300
60 P	278-175-190	19,3	L3	48	0	813	85	75	60	560	340
85 P LS	352-175-190	26,2	L3	36	0	813	115	105	85	800	480
85 P	315-175-212	26,4	S5S18	36	0	80	122	104	85	640	395
100 P	344-172-212/234	29,9	60S28	36	0	80	140	122	100	680	410
115 P	344-172-262/284	36,4	62S12	24	0	80	150	135	115	720	430
110 P	529-175-182/208	37,4	MAC 110	24	3	80	150	135	110	810	490
150 P	512-223-194/220	46,8	B	21	3	80	190	180	150	1150	690
190 P	518-273-214/240	60,8	C	18	3	80	250	225	190	1350	800

TUBULAR 200 cycles according to EN 60254-1. (All Aquamatic)

EN 61427 EN 50342 EN 60896-1 EN 60254-1

TYPE	Dimensions (mm) LxWxH/H2	Weight (kg)	BOX	Pcs. EUR pat.	LAYOUT	BHD	Voltage (V)	SOLAR C100 (Ah)	SLI C20 (Ah)	STATIONARY C10 (Ah)	TRACTION CS (Ah)
95 T	344-172-212/234	30,0	60S28	36	0	80	12	130	115	104	95
110 T	344-172-262/284	37,3	62S12	24	0	80	12	150	132	120	110
Golf Cart	244-190-270	31,3	Golf Cart	36	0	80	6	240	218	200	180

TAB MOTION PASTED is a flooded semi traction battery with positive pasted plates.

Semi traction batteries of TAB MOTION PASTED type are intended for solar systems, battery driven carts, boats, wheelchairs, sweeping machines, truck applications, caravans and motorhomes, etc.
Advantages: excellent vibration resistance, high rate discharge capability, high performance in difficult working conditions, etc.

TAB MOTION TUBULAR is a flooded small traction battery with positive tubular plates.

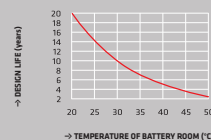
Small traction batteries of TAB MOTION TUBULAR type are reliable and durable, intended for applications which are used in harsh environments - cleaning machines, mobile elevating work platforms, electric elevating platform trucks and also perfect solution for storing energy.

TAB OPzS SOLAR batteries

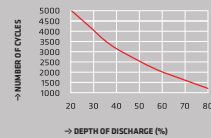
THE SOLAR BATTERIES ARE DISTINGUISHED FOR:

- » HIGH CAPACITY
- » LONG LIFE TIME
- » REDUCED MAINTENANCE
- » LOW SELF-DISCHARGING
- » QUICK AND SIMPLE ACID LEVEL CONTROL
- » ECONOMICAL WATER CONSUMPTION
- » APPROPRIATE DIMENSIONS AND WEIGHT
- » THE LOWEST AND CONSTANT MAINTENANCE CURRENT

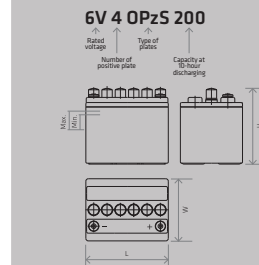
Design life vs. Temperature



No. of cycles vs. DOD



Technical data and dimensions



Application

Tab Solar batteries are intended for the supply of telecommunication facilities, computers, emergency lightning, alarm, control and monitoring systems in power plants and distribution stations, at railway stations, airports etc. Due to their extremely low self-discharging they are suitable for plants supplied by solar cells.

Construction

The positive armored plate is of a tubular type, which means that the active substance (PbO₂) is contained in special gauntlet made of polyester fibres and hardened by an impregnation compound. Such construction prevents escaping of an active substance during the operation and ensures a long life time.

The grids of a positive and a negative plate are made of special low percentage (less than 2%) antimony alloy with addition agents for improvement of crystalline structure of casting. Negative plates are pasted-

type plates with special alloys maintaining porosity of an active substance during the operation. As an electrolyte, a diluted sulphuric acid (H₂SO₄) with a density of 1.24 ± 0.01 kg/l at 20 °C, and at a maximum permitted level is used.

Separators separating the positive plates from the negative ones are made of microporous plastic material with a low electric resistance.

The cell containers are made of transparent SAN, while lid of nontransparent SAN or ABS material (SAN for blocks, ABS for 2V cells).

In a special process, the lids are tightly sealed to the container.

The terminal plugs are sealed with rubber seals. This prevents any escape of electrolyte from the cells. Due to the transparent containers the electrolyte level is clearly visible, the maximum and minimum levels are marked on a self-adhesive acid-proof label on a container side.

A cell plug seals well (ceramic filter), and prevents leakage of any sulphuric acid vapours, however, it lets through hydrogen and oxygen.

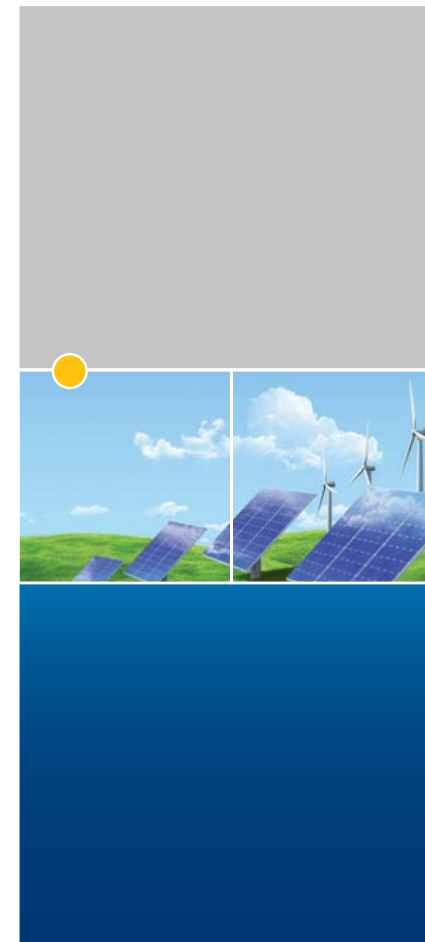


Two versions of batteries are being manufactured:

» **DRY-CHARGE VERSION:** a battery has to be filled up with an electrolyte and supplementary charged before use. The plates are already formed and in a special process protected against oxidation. They can be stored without problems.

» **ELECTROLYTE-CHARGE:** battery can be installed immediately, because it is already filled up with electrolyte and electrically charged as well. The capacity test has already been performed by the producer.

In case of problems with ordering we will be glad to advise and assist you in the selection of the suitable type of battery.
FOR DETAIL INFORMATION PLEASE CHECK OUR OPERATION MANUAL.



TAB

SOLAR BATTERIES