

**ASSAD****STAR****LIGHT TRACTION BATTERIES**

20 years ago, ASSAD started the production of monobloc battery ranges intended for light-duty traction applications such as electric carts. It is through its partnership with ENERSYS, having started in 2008, that the group launched product ranges with different technologies, which are optimized for deep discharge cycles and are highly reliable. These products have proven their worth in several applications such as scrubbing machines, electric boom lifts, electric pallet trucks and electric carts.

GAMME	SP	ST	SG
Technology	Flooded batteries	Flooded batteries	VRLA
Nominal Capacity in C20 to 1,75 VPC at 25°C	80 - 175 Ah	135 - 215 Ah	56 - 230 Ah
Nominal voltage	12V	6V - 12V	6V - 12V
Positive Plate	Flat PbSb	Tubular PbSb	Flat PbCaSn
Negative Plate	PbSb	PbSb	PbCa
Separator	Polyethylene	Polyethylene	Microporous with low metal resistance
Tray and cover	Polypropylene	Polypropylene	Polypropylene
Electrolyte	Sulfuric acid H2SO4	Sulfuric acid H2SO4	Gelified sulfuric acid H2SO4
Maintenance interval <sup>(1)</sup>	Once/6 months	Once/6 months	No maintenance
Number of discharge cycles at 80%	700	1100	700

1) In flooded batteries, do not pour distilled water unless the electrolyte level is below the minimum level.



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RANGE	Nominal Voltage (V)	Nominal Capacity (Ah)		Overall dimension (mm)			Typical Weight (kg)
		C5 (5H)	C20 (20H)	(L)	(l)	(H)	

**SP RANGE** : Monoblocs with flat plates and liquid electrolyte.

12SP70	12	70	80	355	175	190	23
12SP85	12	85	96	345	172	237	29
12SP110	12	110	130	513	223	226	42
12SP150	12	150	175	518	273	247	57

**ST RANGE** : Monoblocs with robust tubular positive plates and liquid electrolyte.

12ST110	12	110	135	344	172	276	38
6ST175	6	175	215	262	182	271	29
6ST210	6	210	230	244	190	274	33

**SG RANGE** : Maintenance-free monoblocs with flat plates and gelled electrolyte.

12SG50	12	50	60	276	175	189	21
12SG62	12	62	80	350	175	189	24
12SG70	12	70	83	329	168	228	24
12SG80	12	80	88	329	168	228	27
12SG105	12	105	110	344	172	276	37
6SG180	6	180	210	244	190	274	30

