



The SOLAR series batteries are especially designed for medium and small performance solar applications. They use gelled electrolyte.

These batteries are ideal for their use in Marine Aids to Navigation installations, as they allow deep discharges, do not emit any gases and can be installed in any position, without disrupting their operation when installed on buoys.

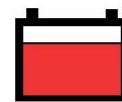
The advantages of the “maintenance-free” VRLA batteries are enhanced by the worldwide excellent reputation and technical image of the DRYFIT technology.

Their minimum discharge rate provides a high storage autonomy, without recharge, up to 2 years.

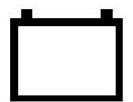
Designed in accordance with IEC 61427 and IEC 60896-21/22 Standards.

FEATURES

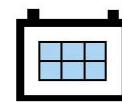
- ✓ DRYFIT technology ensuring a free-maintenance, gelled, leak-proof battery.
- ✓ Grid plate of high cycling performance: 800 cycles at 60%.
- ✓ Nominal capacity from 6.6 to 230 Ah C_{100} (20°C).
- ✓ Minimum operating service life of 5 years.
- ✓ Completely recyclable due to the low CO₂ footprint.
- ✓ Possibility of storage without recharge up to 2 years.
- ✓ Robust design resilient in harsh conditions.
- ✓ Protection valves against over-pressures, protecting cells against the atmosphere.
- ✓ Proof against deep-discharge.
- ✓ Easy installation.
- ✓ Trouble-free transport: no restrictions for rail, road, sea and air transportation (IATA, DGR clause A67).



Nominal capacity 6.60 – 230 Ah C_{100}



Block battery



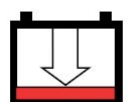
Grid plate



Recyclable



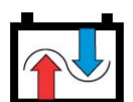
Valve regulated lead-acid batteries



Proof against deep discharge



Maintenance-free (no topping up)



800 cycles at 60% DoD C_{10}

BATTERIES

SOLAR SERIES



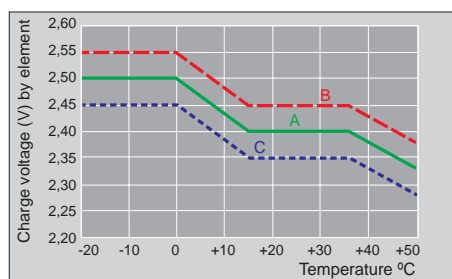
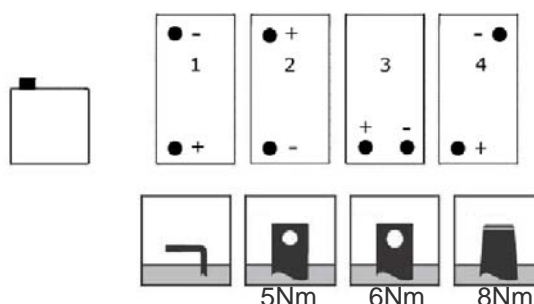
Specifications subject to change without previous notice.

Type	Nominal voltage (V)	Nominal capacity C ₁₀₀ 1.80 V/C (Ah)	Length max. (mm)	Width max. (mm)	Height up to top of cover max. (mm)	Height including connectors max. (mm)	Approx. weight (kg)	Terminal	Terminal position
S12/6,6 S	12	6.6	152	65.5	94.5	98.4	2.6	S-4,8	3
S12/17 G5	12	17.0	181	76	-	167	6.1	G-M5	1
S12/27 G5	12	27.0	167	176	-	126	9.6	G-M5	1
S12/32 G6	12	32.0	197	132	160	184	11.1	G-M6	2
S12/41 A	12	41.0	210	175	-	175	14.6	A-Terminal	1
S12/60 A	12	60.0	261	136	208	230	19.0	A-Terminal	1
S12/85 A*	12	85.0	353	175	-	190	26.8	A-Terminal	1
S12/90 A	12	90.0	330	171	213	236	30.0	A-Terminal	2
S12/130 A	12	130.0	286	269	208	230	39.8	A-Terminal	4
S12/230 A	12	230.0	518	274	216	238	67.0	A-Terminal	3

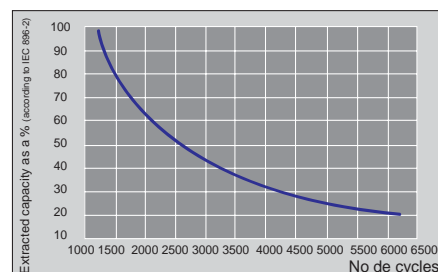
(*) 400 cycles.

Type	Capacities C ₁ - C ₁₀₀ (20°C)				
	C ₁ 1.70 V/C	C ₅ 1.70 V/C	C ₁₀ 1.70 V/C	C ₂₀ 1.75 V/C	C ₁₀₀ 1.80 V/C
S12/6,6 S	2.9	4.6	5.1	5.7	6.6
S12/17 G5	9.3	12.6	14.3	15.0	17.0
S12/27 G5	15.0	22.1	23.5	24.0	27.0
S12/32 G6	16.9	24.4	27.0	28.0	32.0
S12/41 A	21.0	30.6	34.0	38.0	41.0
S12/60 A	30.0	42.5	47.5	50.0	60.0
S12/85 A	55.0	68.5	74.0	76.0	85.0
S12/90 A	50.5	72.0	78.0	84.0	90.0
S12/130 A	66.0	93.5	104.0	110.0	130.0
S12/ 230 A	120.0	170.0	190.0	200.0	230.0

Drawings with terminal position, terminal and torque.



- 1) With switch regulator (two-step controller). Charge on curve B (max. charge voltage) for max. 2 hrs/day, then switch over to continuous charge - curve C.
- 2) Standard charge (without switching) - curve A.
- 3) Boost charge (equalizing charge with external generator). Charge on curve B for max. 5 hrs/month, then switch over to curve C.



Endurance in cycles according to IEC 986-2.



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