Solar Series

Designed for solar applications

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

Ideal for Marine Aids to Navigation installations

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.

Minimum discharge rate

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.


Nominal Capacity
6.60 - 230 Ah C_{100}


Battery block


Grid plate


Recyclable

Valve Regulated Lead Acid Battery


Proof against deep-discharge.


Free-maintenance
(does not require filling)


800 cycles at 60% DoD C_{10}

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 C100 (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).*

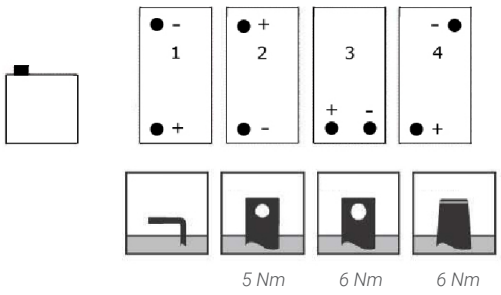
SOLAR SERIES

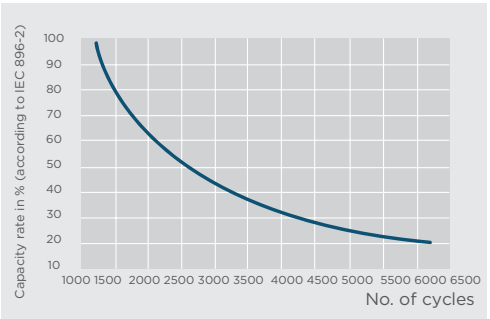
Type	Nominal voltage (V)	Nominal capacity C_{100} 1.80 V/C (Ah)	Length max. (mm)	Width max. (mm)	Height up to top of cover max. (mm)	Height including connectors max. (mm)	Approx. weight (kg)	Terminal	Terminal position
S12/6,6 S	12	6.6	152	65,5	94.5	98.4	2.6	S-4.8	3
S12/17 G5	12	17.0	181	76	-	167	6.1	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

Capacities C_1 - C_{100} (20°)

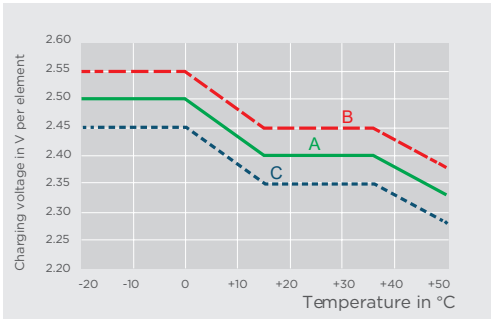
Type	C_1 1.70 V/C	C_5 1.70 V/C	C_{10} 1.70 V/C	C_{20} 1.75 V/C	C_{100} 1.80 V/C
S12/6,6 S	2.9	4.6	5.1	5.7	6.6
S12/17 G5	9.3	12.6	14.3	15.0	17.0
S12/27 G5	15.0	22.1	23.5	24.0	27.0
S12/32 G6	16.9	24.4	27.0	28.0	32.0
S12/41 A	21.0	30.6	34.0	38.0	41.0
S12/60 A	30.0	42.5	47.5	50.0	60.0
S12/85 A	55.0	68.5	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.





Endurance in cycles according to IEC 986-2.



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**.

Specifications subject to change without previous notice.

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