

Industrial Batteries / Network Power

Sonnenschein A600 SOLAR



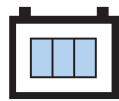
»Premium quality for renewable energy«



Nominal capacity 294 – 3919 Ah C₁₂₀



Single cell



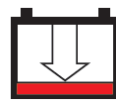
Tubular plate



Recyclable



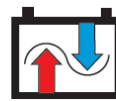
Valve regulated lead-acid batteries



Proof against deep discharge



Maintenance-free (no topping up)



3000+ cycles* at 60% DoD C₁₀

Your benefits:

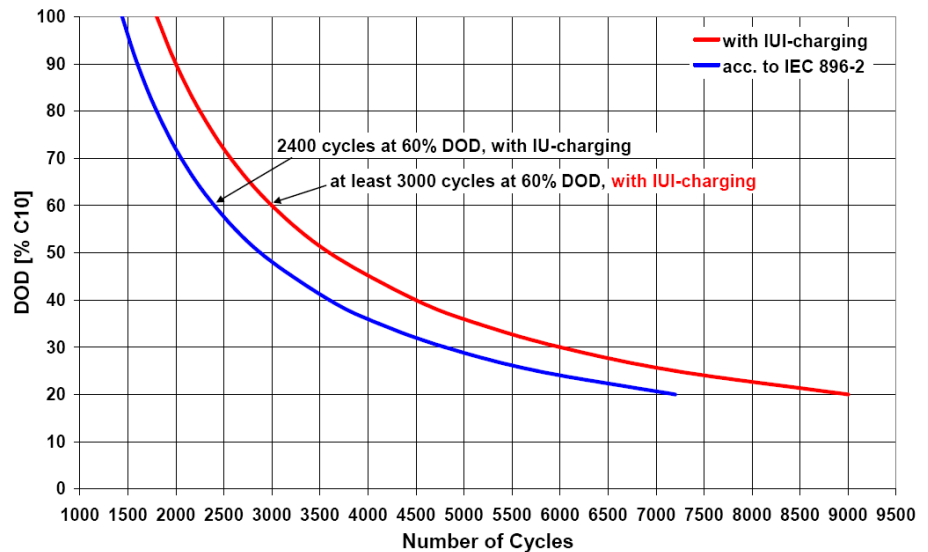
- > **Exceptional cycling performance** – 3000+ cycles* at 60% Depth of Discharge C₁₀
- > **dryfit Gel** – VRLA technology
- > **Lowest energy consumption** – saving costs
- > **Strong tubular plate technology** – for longer life in the toughest conditions
- > **Proof against deep discharge** – greater long-term energy delivery
- > **Horizontal mounting possible** – easy installation and maintenance
- > **Completely recyclable** – low CO₂ footprint



Sonnenschein A600 SOLAR

Unmatched dryfit Gel technology for renewable energy storage

Sonnenschein A600 SOLAR is a premium range, developed specifically for applications where cycling is required. It has extraordinary energy-saving features in addition to robust reliability, proven for decades in many installations worldwide.



Specifications:

- > Nominal capacity 294 – 3919 Ah C_{120} (20°C)
- > Cycling performance at 20 °C (with IU charging): 2400 cycles at 60 % Depth of Discharge (C_{10}) at 20 °C
For enhanced performance and for systems ≥ 48 V we recommend IUI charging, to reach 3000+ cycles at 20 °C
- > Designed in accordance with IEC 61427 and IEC 60896-21/22
- > Long shelf life up to 2 years at 20 °C without recharge due to the very low self discharge rate
- > Also available as flame-retardant version on request (V0)
- > Manufactured in Europe in our ISO 9001 certified production plants
- > Trouble-free transport of operational cells, no restrictions for rail, road, sea and air transportation (IATA, DGR, clause A67)
- > Approval: UL (Underwriter Laboratories), DNV GL (Germanischer Lloyd)

Technical characteristics and data

Type	Part number	Nom. voltage V	Nominal capacity C_{120} 1.85 Vpc 20 °C Ah	Nominal capacity C_{100} C_{100} 1.85 Vpc	Nominal capacity C_{10} C_{10} 1.80 Vpc	Length (l) max. mm	Width (b/w) max. mm	Height incl. connectors (h2) max. mm	Weight approx. kg	Terminal	Pole pairs
A602/295 SOLAR	NGS6020295HS0FC	2	294	285	217	105	208	399	17.4	F-M8	1
A602/370 SOLAR	NGS6020370HS0FC	2	367	357	272	126	208	399	22.0	F-M8	1
A602/440 SOLAR	NGS6020440HS0FC	2	440	428	326	147	208	399	25.0	F-M8	1
A602/520 SOLAR	NGS6020520HS0FC	2	519	505	379	126	208	515	30.0	F-M8	1
A602/625 SOLAR	NGS6020625HS0FC	2	623	606	455	147	208	515	35.0	F-M8	1
A602/750 SOLAR	NGS6020750HS0FC	2	727	707	531	168	208	515	39.0	F-M8	1
A602/850 SOLAR	NGS6020850HS0FC	2	845	822	681	147	208	690	49.0	F-M8	1
A602/1130 SOLAR	NGS6021130HS0FC	2	1126	1096	908	212	193	690	66.0	F-M8	2
A602/1415 SOLAR	NGS6021415HS0FC	2	1408	1370	1135	212	235	690	80.0	F-M8	2
A602/1695 SOLAR	NGS6021695HS0FC	2	1689	1644	1362	212	277	690	95.0	F-M8	2
A602/1960C SOLAR	NGS6021960HS0FC	2	1994	1957	1593	212	277	759	106	F-M8	2
A602/2600 SOLAR	NGS6022600HS0FC	2	2613	2547	2024	216	400	816	149	F-M8	3
A602/3270 SOLAR	NGS6023270HS0FC	2	3266	3184	2530	214	489	816	190	F-M8	4
A602/3920 SOLAR	NGS6023920HS0FC	2	3919	3821	3036	214	578	816	238	F-M8	4