

Gel Sonnenschein Solar Ultimate

Technical data sheet

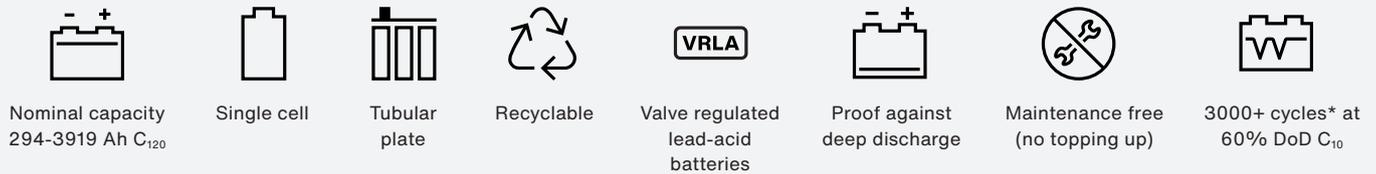
A600 Solar cells

Technical features:

- Nominal capacity 294-3919 Ah C_{120} (20 °C / 68 °F)
- Cycling performance at 20 °C / 68 °F (with IU charging):
2400 cycles at 60% Depth of Discharge (C_{10})
at 20 °C / 68 °F
For enhanced performance and for systems ≥ 48 V we recommend IU charging, to reach 3000+ cycles at 20 °C / 68 °F
- Long shelf life up to 17 months at 20 °C / 68 °F without recharge due to the very low self discharge rate
- Also available as flame-retardant version on request
UL 94 V-0

Standards & certifications:

- Designed in accordance with IEC 61427 and IEC 60896-21/22
- 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 (Underwriters Laboratories, USA), DNV GL (Germanischer Lloyd)



* With IU charging, at 20 °C / 68 °F

Technical characteristics and data

Type	Part number	Nom. voltage V	Nominal capacity	Discharge current I_{120} A	Length (l)		Width (w)		Height (h)		Weight*		Terminal	Pole pairs
			C_{120} 1.85 Vpc (20 °C / 68 °F) Ah		max. in	max. mm	max. in	max. mm	max. in	max. mm	approx. lbs	approx. kg		
A602/295 Solar	NGS6020295HA0FC	2	294	2.45	4.13	105	8.19	208	15.71	399	38.36	17.4	F-M8	1
A602/370 Solar	NGS6020370HA0FC	2	367	3.05	4.96	126	8.19	208	15.71	399	48.50	22.0	F-M8	1
A602/440 Solar	NGS6020440HA0FC	2	440	3.66	5.79	147	8.19	208	15.71	399	55.12	25.0	F-M8	1
A602/520 Solar	NGS6020520HA0FC	2	519	4.32	4.96	126	8.19	208	20.28	515	66.14	30.0	F-M8	1
A602/625 Solar	NGS6020625HA0FC	2	623	5.19	5.79	147	8.19	208	20.28	515	77.16	35.0	F-M8	1
A602/750 Solar	NGS6020750HA0FC	2	727	6.05	6.61	168	8.19	208	20.28	515	85.98	39.0	F-M8	1
A602/850 Solar	NGS6020850HA0FC	2	845	7.06	5.79	147	8.19	208	27.17	690	108.03	49.0	F-M8	1
A602/1130 Solar	NGS6021130HA0FC	2	1126	9.42	8.35	212	7.60	193	27.17	690	145.50	66.0	F-M8	2
A602/1415 Solar	NGS6021415HA0FC	2	1408	11.7	8.35	212	9.25	235	27.17	690	176.37	80.0	F-M8	2
A602/1695 Solar	NGS6021695HA0FC	2	1689	14.1	8.35	212	10.91	277	27.17	690	209.44	95.0	F-M8	2
A602/1960C Solar	NGS6021960HA0FC	2	1994	16.3	8.35	212	10.91	277	29.88	759	233.69	106	F-M8	2
A602/2600 Solar	NGS6022600HA0FC	2	2613	21.7	8.50	216	15.75	400	32.13	816	328.49	149	F-M8	3
A602/3270 Solar	NGS6023270HA0FC	2	3266	27.2	8.43	214	19.25	489	32.13	816	418.88	190	F-M8	4
A602/3920 Solar	NGS6023920HA0FC	2	3919	32.6	8.43	214	22.76	578	32.13	816	524.70	238	F-M8	4

* Actual weight may differ by $\pm 5\%$

Manufacturer: by /**MERICAS**
Exide Technologies Energy Solutions GmbH
Branch Office, Odertal 35, 37431 Bad Lauterberg, Germany

mericas-energy.com



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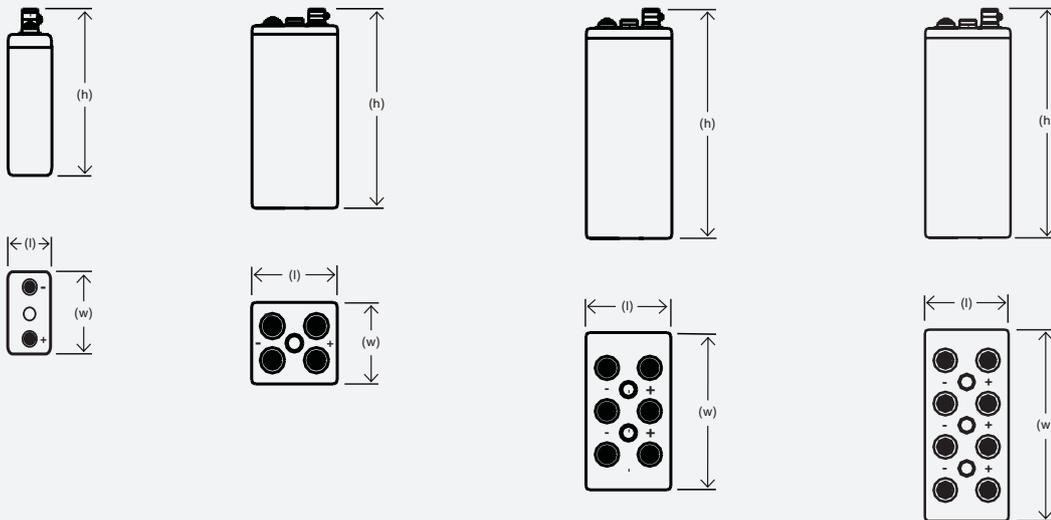
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A600 Solar cells

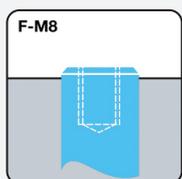
Capacities $C_1 - C_{120}$ (20 °C / 68 °F) in Ah

Type	C_1	C_3	C_5	C_{10}	C_{24}	C_{48}	C_{72}	C_{100}	C_{120}
	1.67 Vpc	1.75 Vpc	1.77 Vpc	1.80 Vpc	1.80 Vpc	1.80 Vpc	1.80 Vpc	1.85 Vpc	1.85 Vpc
A602/295 Solar	124	167	193	217	248	273	289	285	294
A602/370 Solar	155	209	241	272	310	342	362	357	367
A602/440 Solar	186	251	289	326	372	410	434	428	440
A602/520 Solar	229	307	342	379	435	471	503	505	519
A602/625 Solar	275	369	410	455	523	565	604	606	623
A602/750 Solar	321	431	479	531	610	659	705	707	727
A602/850 Solar	368	520	614	681	729	782	827	822	845
A602/1130 Solar	491	694	818	908	973	1043	1102	1096	1126
A602/1415 Solar	614	867	1023	1135	1216	1304	1378	1370	1408
A602/1695 Solar	737	1041	1228	1362	1459	1565	1654	1644	1689
A602/1960C Solar	867	1222	1371	1593	1803	1942	2016	1957	1994
A602/2600 Solar	1047	1548	1782	2024	2276	2472	2599	2547	2613
A602/3270 Solar	1309	1935	2227	2530	2846	3090	3249	3184	3266
A602/3920 Solar	1571	2322	2673	3036	3415	3708	3899	3821	3919

Drawings, terminal and torque



Not to scale!



20 Nm / 177 lbf-in

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