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Technical Data sonnenBatterie

	eco 8.2/2	eco 8.2/4	eco 8.2/6	eco 8.2/8	eco 8.2/10	eco 8.2/12	eco 8.2/14	eco 8.2/16
Usable battery capacity (kWh)	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
Cell chemistry	LFP (Lithium Iron Phosphate)							
Variety[1] (2–10 kWh)								
Weight kg	53	88	115	142	169	–	–	–
Dimensions H/W/D cm	70/64/22	137/64/22	137/64/22	137/64/22	137/64/22	–	–	–
Variety[1] (2–16 kWh)								
Weight kg	53	93	120	147	174	201	228	255
Dimensions H/W/D cm	70/64/22	184/64/22	184/64/22	184/64/22	184/64/22	184/64/22	184/64/22	184/64/22
Grid Version (single phase)								
Rated inverter power (W) (charging/discharging)	1,500	2,000	2,500	2,500	2,500	2,500	2,500	2,500
Maximum inverter efficiency	93 %							
Grid Version (three phase)								
Rated inverter power (W) (charging/discharging)	1,500	2,500	3,000	3,300	3,300	3,300	3,300	3,300
Maximum inverter efficiency	96 %							

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Maximum battery efficiency	98 %							
Ambient temperature range	5° – 40 °C							
Dust & water protection	IP 21							
Tests and directives	Li-Ionen-Hausspeicher Sicherheitsleitfaden geprüft, VDE-AR-N_4105, UN 38.3 Transporttest, Niederspannungsrichtlinie 2006/95/EG, UL1642, IEC62133							
Emergency capable	optional (expected to be available in Q2 2017)							
Battery service life	designed for 20 years							
Warranty	10 years[2]							
Cycles	10,000[2]							
Charging time to 90 %, approx.	1.5 h	1.5 h	2 h	2.5 h	3 h	3.5 h	4 h	4.5 h
Recommended for use with annual household consumption up to [kWh] (based on experience)	2,500	3,300	4,400	5,500	6,600	7,700	8,800	9,900

Available options

Colour of cabinet[3]	black or silvergrey
Multi-Touch-Display	18 cm width

We reserve the right to make technical changes and updates without prior notice. Specific values, performance data and other information in this data sheet, brochures and other product information, as well as illustrations and drawings in these documents, are solely illustrative and are subject to ongoing revision and modification. We do not warrant the accuracy or completeness of any information in these documents unless otherwise explicitly stated. Only the information in order confirmation documents or purchase contracts is binding.

[1] Two base cabinet versions are available. Depending on your power requirements a smaller base cabinet can be acquired for capacity sizes up to 10 kWh.

[2] Warranty on all parts. To learn more about our current warranty terms and conditions, please visit www.sonnenbatterie.de/garantiebedingungen or call our customer hotline and request a copy.

[3] Standard Colour of cabinet: white

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