



Technical Data sonnenBatterie hybrid 9.53

	hybrid 9.53/5	hybrid 9.53/7.5	hybrid 9.53/10	hybrid 9.53/12.5	hybrid 9.53/15
Nominal battery capacity in kWh	5.0	7.5	10.0	12.5	15.0
Depth of discharge (DoD)	90 %				
Cell technology	LFP (Lithium Iron Phosphate)				

Cabinet option 1 (5.0 kWh)

Weight in kg	81	–	–	–	–
Dimensions (H/W/D) in cm	88/67/23	–	–	–	–

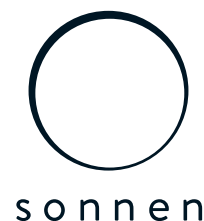
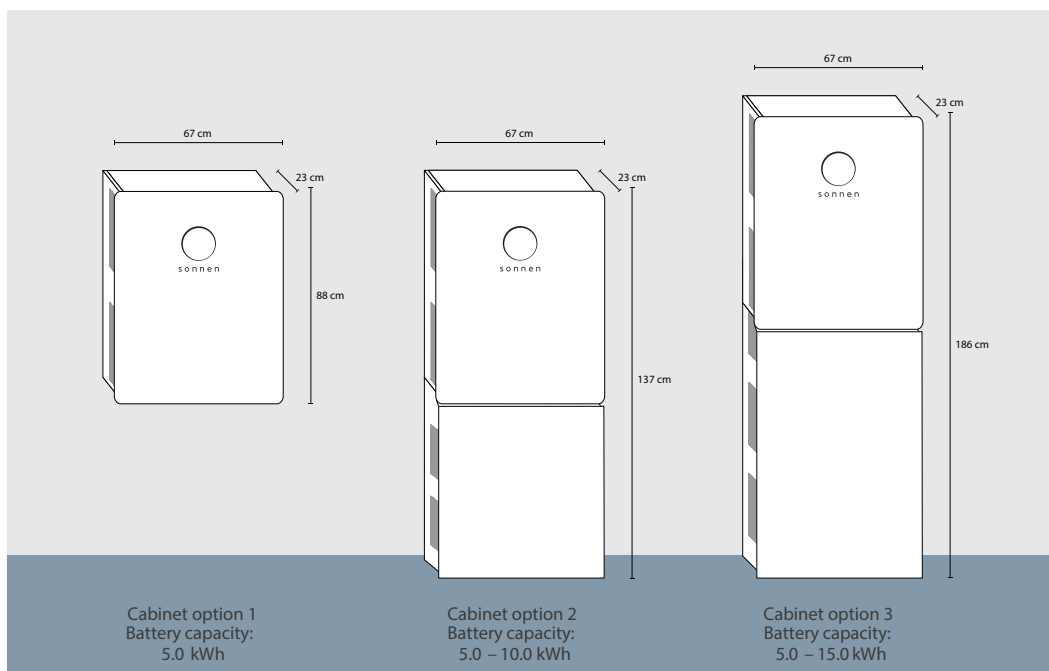
Cabinet option 2 (5.0 kWh - 10.0 kWh)¹

Weight in kg	97	120	143	–	–
Dimensions (H/W/D) in cm	137/67/23	137/67/23	137/67/23	–	–

Cabinet option 3 (5.0 kWh - 15.0 kWh)¹

Weight in kg	108	131	154	177	200
Dimensions (H/W/D) in cm	186/67/23	186/67/23	186/67/23	186/67/23	186/67/23

Max. charging/discharging power in kW	2.5	3.3	3.3	3.3	3.3
Nominal power	4.6 kW				
Input voltage PV	100 – 750 VDC				
Max. input current PV	13 A				
Number of MPP-Trackers	2				
MPP voltage range	75 – 600 V				



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Power factor range	0.9 cap. – 0.9 ind.				
DC connection	Sunclix				
Max. efficiency (battery to grid)	95%				
Max. efficiency (PV to grid)	97.5%				
Max. battery efficiency	98%				
Ambient temperature range	-5 °C – +45 °C ²				
Dust & water protection	IP30				
Operating mode	single phase				
Tests and directives	SGS TÜV Saar , IEC 62040-1, IEC 62109-1, IEC 62109-2, IEC 62619, UN38.3, IEC 62133, AS/NZS 4777.2				
Battery service life	designed for 20 years				
Warranty	10 years ³				
Cycles	10,000 ³				

Available options

Multi-Touch-Display	7 inches
sonnenWallmount	installation mount

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¹ There are two cabinet versions available. By default, the large cabinet is included (Dimensions H/W/D 98/67/23). If a small cabinet is needed for a storage battery of 5.0 kWh up to 10.0 kWh, this must be specified when ordering. ² Derating at approx. 35 °C. ³ Warranty on all parts. To learn more about our current warranty terms and conditions, please visit [sonnenbatterie.de/en/terms-and-conditions](https://www.sonnenbatterie.de/en/terms-and-conditions) or call our customer hotline and request a copy. · Standard housing color: white. Housing color black only on request.

sonnenBatterie-Datensheet-hybrid-9.53-AU-1 80604



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