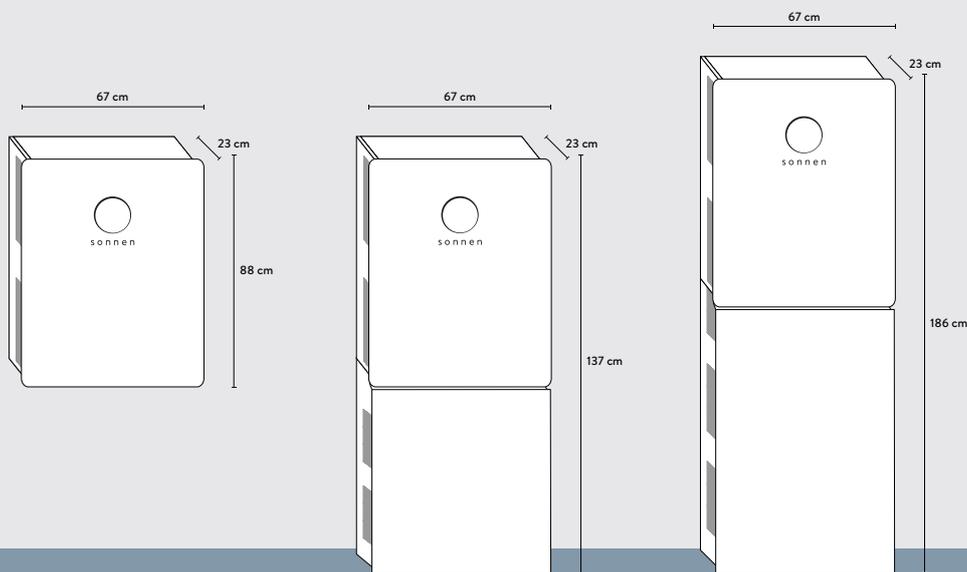




Technical Data sonnenBatterie hybrid 9.53

	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 - 10.0 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				



Cabinet option 1
Battery capacity:
5.0 kWh

Cabinet option 2
Battery capacity:
5.0 – 10.0 kWh

Cabinet option 3
Battery capacity:
5.0 – 15.0 kWh

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
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	Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, SGS TÜV Saar, IEC 62040-1, IEC 62109-1, IEC 62109-2, IEC 62619, UN38.3, IEC 62133, G83-2, G59-3, G100, EN50438				
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

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 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.