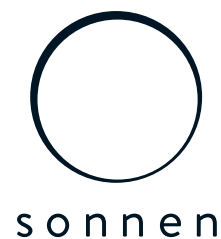
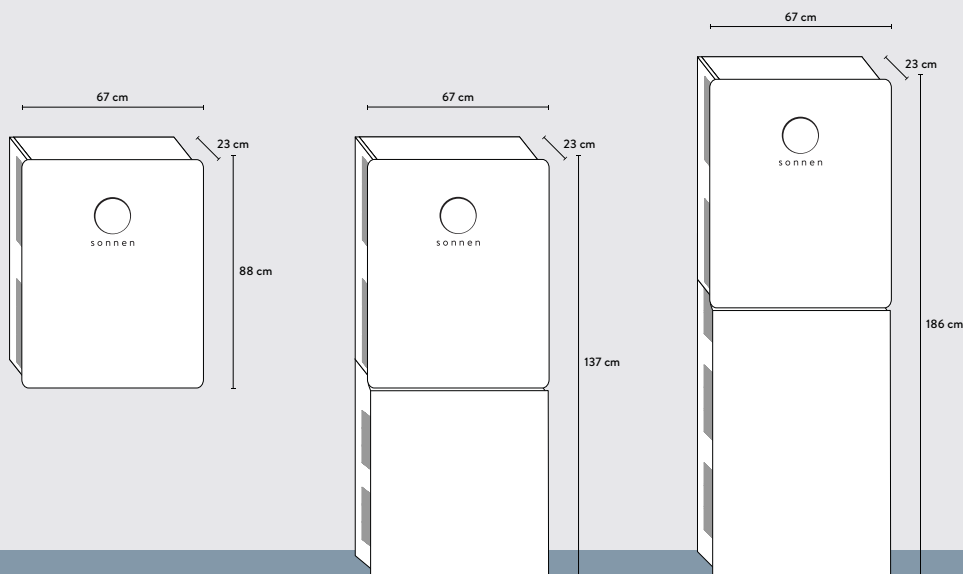




Technical Data sonnenBatterie hybrid 9.53

	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

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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 or call our customer hotline and request a copy. · Standard housing color: white. Housing color black only on request.