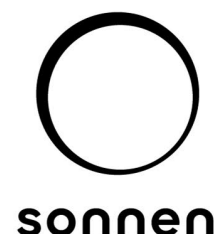
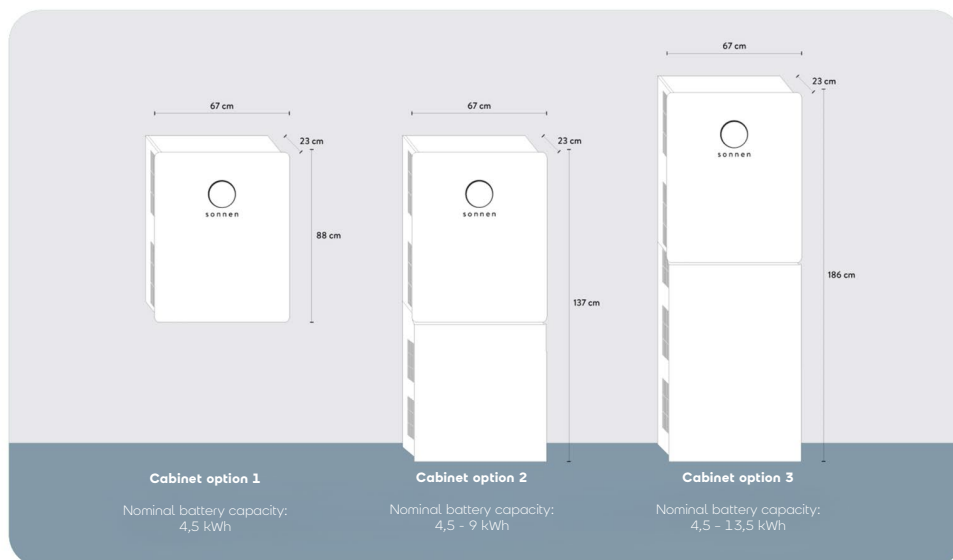




Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/5	hybrid 9.53/10	hybrid 9.53/15
Nominal battery capacity in kWh	4,8	9,6	14,4
Usable battery capacity in kWh	4,5	9	13,5
Cell technology	LFP (Lithium Iron Phosphate)		
Cabinet option 1 (4,5 kWh)			
Weight in kg	81	-	-
Dimensions (H/W/D) in cm	88/67/23	-	-
Cabinet option 2 (4,5 kWh - 9 kWh) ¹			
Weight in kg	97	143	-
Dimensions (H/W/D) in cm	137/67/23	137/67/23	-
Cabinet option 3 (4,5 kWh - 13,5 kWh)			
Weight in kg	108	154	200
Dimensions (H/W/D) in cm	186/67/23	186/67/23	186/67/23
Max. charging/discharging power in kW	2,5	3,3	3,3
Nominal power	4,6 kW		
Input voltage PV	75 – 750 VDC		
Initial input voltage	100 V		
Limit of input current at maximum power	13 A		
Maximum input current at short circuit	15 A		
Number of MPP-Trackers	2		
MPP voltage range	75 – 600 V		
Power factor range	0.9 cap. – 0.9 ind.		



Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/5	hybrid 9.53/10	hybrid 9.53/15
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	
Overvoltage Category		OVC III (AC port), OVC II (PV port)	
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, G98, G99, EN50438		
Battery service life		designed for 20 years	
Warranty		10 years ³	
Cycles		10,000 ³	

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.co.uk/terms or call our customer hotline and request a copy. • Standard housing color: white. Housing color black only on request.

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Version: December 2025.