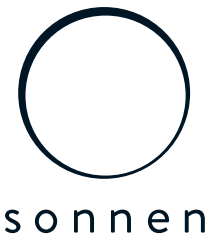
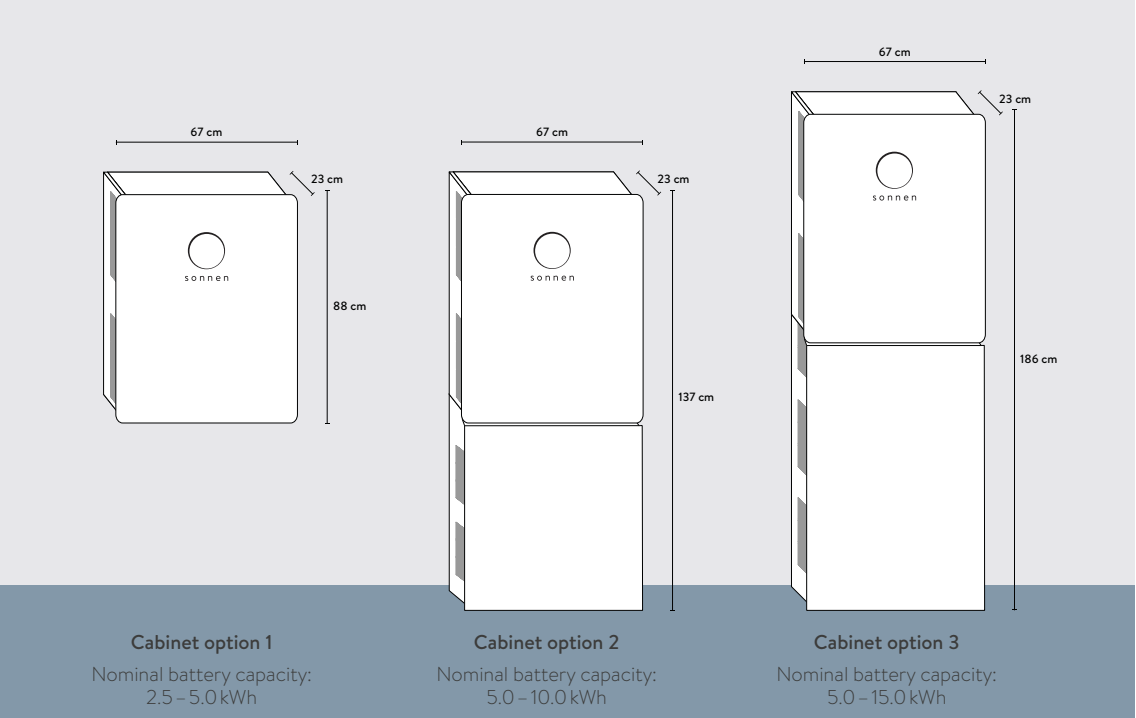


## Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/2.5	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	2.5	5.0	7.5	10.0	12.5	15.0
Depth of discharge (DoD)	90 %					
Cell technology	LFP (Lithium Iron Phosphate)					
Cabinet option 1 (2.5kWh - 5.0kWh)						
Weight in kg	58	81	–	–	–	–
Dimensions (H/W/D) in cm	88/67/23	88/67/23	–	–	–	–
Cabinet option 2 (5.0 kWh - 10.0 kWh)¹						
Weight in kg	74	97	120	143	–	–
Dimensions (H/W/D) in cm	137/67/23	137/67/23	137/67/23	137/67/23	–	–
Cabinet option 3 (5.0 kWh - 10.0 kWh)¹						
Weight in kg	85	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	186/67/23
Max. charging/discharging power in kW	1.1	2.5	3.3	3.3	3.3	3.3
Nominal power	4.6 kW					
Input voltage PV	75 – 750 VDC					
Initial input voltage	100 V					
Max. input current PV	13 A					
Number of MPP-Trackers	2					
MPP voltage range	75 – 600 V					



# Data sheet sonnenBatterie hybrid 9.53

	hybrid 9.53/2.5	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 <sup>2</sup>					
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 <sup>3</sup>					
Cycles	10,000 <sup>3</sup>					

## Available options

Multi-Touch-Display	7 inches
sonnenWallmount	installation mount

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<sup>1</sup> 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. <sup>2</sup> Derating at approx. 35 °C. <sup>3</sup> Warranty on all parts. To learn more about our current warranty terms and conditions, please visit [sonnenbatterie.co.uk/terms](https://www.sonnenbatterie.co.uk/terms) or call our customer hotline and request a copy. · Standard housing color: white. Housing color black only on request.