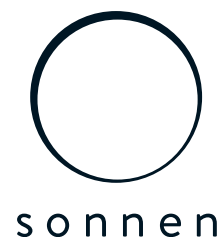
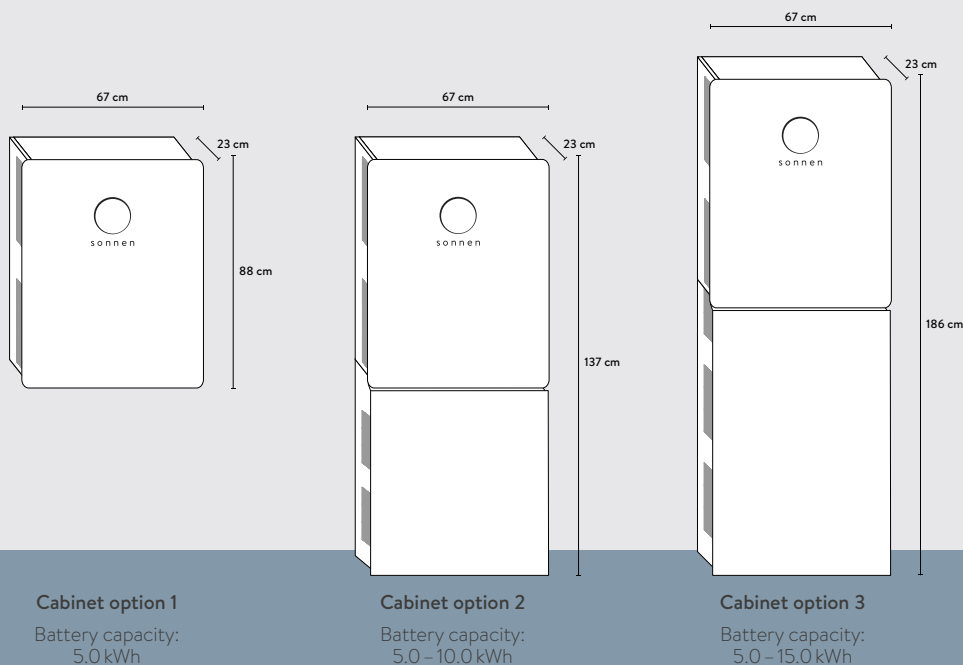




## Technical Data sonnenBatterie hybrid 8.1

	hybrid 8.1/5	hybrid 8.1/7.5	hybrid 8.1/10	hybrid 8.1/12.5	hybrid 8.1/15
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	82	-	-	-	-
Dimensions (H/W/D) in cm	88/67/23	-	-	-	-
Cabinet option 2 (5.0 kWh - 10.0 kWh) <sup>1</sup>					
Weight in kg	98	121	144	-	-
Dimensions (H/W/D) in cm	137/67/23	137/67/23	137/67/23	-	-
Cabinet option 3 (5.0 kWh - 15.0 kWh) <sup>1</sup>					
Weight in kg	109	132	155	178	201
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	5.5 kW				
Input voltage PV	250 - 1,000 VDC				
Max. input current PV	11 A				
Number of MPP-Trackers	1				
MPP voltage range	250 - 800 V				



## Technical Data sonnenBatterie hybrid 8.1

	hybrid 8.1/5	hybrid 8.1/7.5	hybrid 8.1/10	hybrid 8.1/12.5	hybrid 8.1/15
Power factor range			0.9 cap. – 0.9 ind.		
DC connection			Sunclix		
Max. efficiency (battery to grid)			96 %		
Max. efficiency (PV to grid)			98 %		
Max. battery efficiency			98 %		
Ambient temperature range			-5 °C – +45 °C <sup>2</sup>		
Dust & water protection			IP30		
Operating mode			three 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, UN38.3, IEC 62133, IEC 62619, 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 inch
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.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.