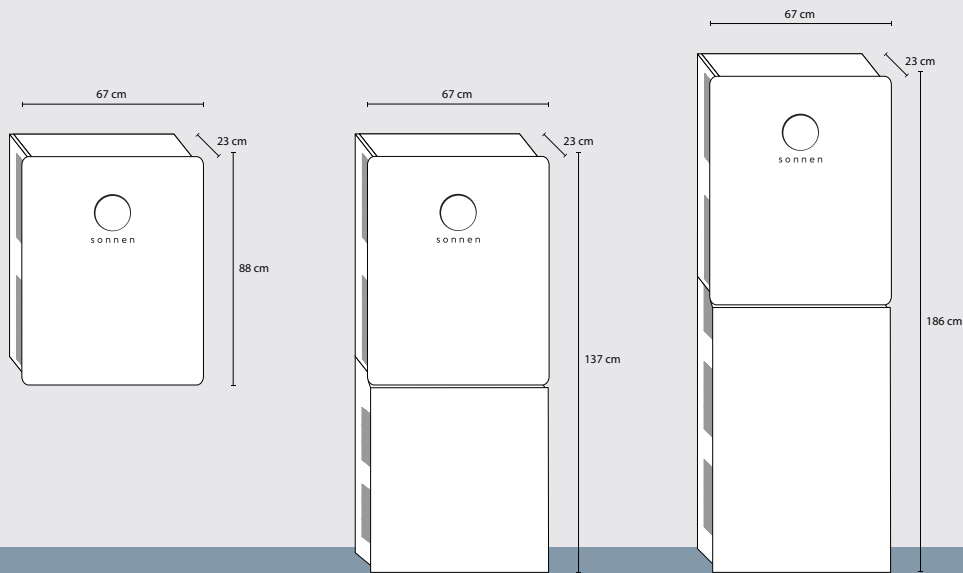


Technical Data sonnenBatterie hybrid 9.53

| | 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 - 15.0 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 - 600V | | | | |



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 | SGS TÜV Saar , IEC 62040-1, IEC 62109-1, IEC 62109-2, IEC 62619, UN38.3, IEC 62133, AS/NZS 4777.2 | | | | |
| 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.