



Data sheet sonnenBatterie 10 performance

| | 10p/11 | 10p/22 | 10p/33 | 10p/44 | 10p/55 |
|---|---|--------|-------------------|--------|--------|
| Nominal battery capacity in kWh | 11 | 22 | 33 | 44 | 55 |
| Usable battery capacity in kWh | 10 | 20 | 30 | 40 | 50 |
| Cell technology | LFP (Lithium Iron Phosphate) | | | | |
| Weight in kg | 165 | 245 | 375 | 455 | 535 |
| Dimensions product (H/W/D) in cm | 172-184/69/36 | | 2 x 172-184/69/36 | | |
| Number of housings | 1 | 1 | 2 | 2 | 2 |
| Installation space requirement (H/W/D) in cm | 187/89/136 | | 187/173/136 | | |
| Nominal power (charging/discharging) in kW | 7,0 | 9,9 | 9,9 | 9,9 | 9,9 |
| Ambient temperature range | -5 °C – 45 °C ¹ | | | | |
| Degree of Protection | IP30 | | | | |
| Operating mode | three phase 400V 50Hz | | | | |
| Tests and directives | VDE-AR-N 4105, TOR Erzeuger, UN 38.3 / IEC 62281, IEC 61000-6-1, IEC 61000-6-3, IEC 62109-1, IEC 62109-2, IEC 62040-1, IEC 60730-1, VDE AR 2510-2, IEC 62619, VDE AR 2510-50, IEC 60529 | | | | |
| Battery service life | designed for 20 years | | | | |
| Warranty | 10 years ² | | | | |
| Cycles | 10,000 ² | | | | |



Data sheet sonnenBatterie 10 performance – Cascade (example)

| Possible cascading | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Nominal battery capacity in kWh | 22-110 | 33-165 | 44-220 | 55-275 | 66-330 | 77-385 | 88-440 | 99-495 |
| Usable battery capacity in kWh | 20-100 | 30-150 | 40-200 | 50-250 | 60-300 | 70-350 | 80-400 | 90-450 |
| Nominal power (charging/discharging) in kW | 14,0-19,8 | 21,0-29,7 | 28,0-39,6 | 35,0-49,5 | 42,0-59,4 | 49,0-69,3 | 56,0-79,2 | 63,0-89,1 |

Available options

| | |
|---------------------------------------|------------------------------|
| sonnenProtect 8000³ | Three phase Full Home Backup |
| sonnenKNX Module | Integration into a KNX |

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¹ Optimal: 5 °C ... 35 °C | The system can still function below and above 5 °C and 35 °C, however, only with a reduction in power. ² Please be aware that terms and conditions apply.

³ Details can be found in the sonnenProtect 8000 data sheet.

Status as of October 2022