

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	Lithium Iron Phosphate (LFP)				
Weight in kg	166	246	376	456	536
Dimensions product (H/W/D) in cm	172-184/69/36		2x 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	12	12	12	12
Max. inverter efficiency	97.2 %				
Max. battery efficiency	95.9 %				
Ambient temperature range	-5 °C - 45 °C				
Optimum temperature range	5 °C - 35 °C				
Power limitation	below 5 °C / above 35 °C possible				
Degree of Protection	IP30				
Operating mode	three phase | 400 V | 50 Hz				
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[1]				
Cycles	10,000[1]				



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Full-Home Backup

Now with an innovative integrated backup solution, the AC-Microgrid capability allows for solar recharging and controlled black start features.

	10p+/11	10p+/22	10p+/33	10p+/44	10p+/55
Nominal Power Discharge	5,000 W[2]	8,000 W[2]			
Nominal Power Charge	7,000 W[2]	8,000 W[2]			
Overload (5 min)	5,500 VA	8,800 VA			
Overload (30 s)	8,800 VA	9,600 VA			
Max. power per phase	5,000 VA				
Mains connection fuse	Miniature circuit breaker max. 35 A				
Switchover time	approx. 10 seconds				
Switchback time	up to 5.5 minutes[3], interruption approx. 3 seconds				

Cascade

Connecting multiple sonnenBatterie 10 performance+ units provides solutions for use cases with higher power and capacity needs.

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	14-24	21-36	28-48	35-60	42-72	49-84	56-96	63-108

Each unit of the cascade consists of a control cabinet or control cabinet and extension cabinet.
Each unit must contain the same number of battery modules. Cascading is not possible in backup mode.



Available options

sonnenProtect 8000[4]	External backup power solution in separate box
sonnenKNX Module	Integration in a KNX system

The sonnenBatterie 10 performance+ is the flagship of the sonnen universe. Our innovative strength and our decade of experience in battery storage development are reflected in the sonnenBatterie 10 performance+. It can completely secure the home against power failures, helping you become independent of energy companies, and also allows you to participate in the sonnenVPP. Adaptable to your individual needs, it comes with a 10-year or 10,000 charging cycle guarantee.

Enjoy top-quality, German-engineered performance, trusted by tens of thousands of customers.

[1] Please be aware that terms and conditions apply. [2] At power factor cos phi = 1. [3] According to the country-specific specifications regarding switch-back. [4] Details can be found in the sonnenProtect 8000 data sheet.

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. The technical data mentioned refers to the Power Module item number 3000605. 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.

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