



## Technical data sonnenPro FlexStack

**sonnenPro FlexStack** is a commercial storage system with a modular and customer-specific configuration system that can be flexibly adapted to its specific use case. With a capacity of 110 to 495 kWh and a rated power of 92 to 368 kW per system, FlexStack is particularly powerful. In total 2 - 4 units are required and can be expanded in 55 kWh steps. Thanks to its safe and outdoor-capable protection class, the FlexStack Energy Storage System meets the high requirements in the commercial environment and fulfills the high demands for a sustainable and efficient energy supply.

<b>Nominal power (charging / discharging) in kW</b>	92 - 368
<b>Nominal battery capacity in kWh</b>	110 - 495
<b>Usable battery capacity in kWh</b>	100 - 450
<b>Cell technology</b>	Lithium iron phosphate (LFP)
<b>Nominal battery voltage in Volt</b>	1024
<b>Weight in kg</b>	max. 2110 per Unit (depending on configuration)
<b>Dimensions (h / l / d) in cm</b>	Unit 135 x 135 x 135   Plinth 20 x 135 x 135
<b>No. of Units</b>	2 - 4
<b>Max. inverter efficiency</b>	98,6 %
<b>Max. battery efficiency</b>	95,9 %
<b>Ambient temperature range</b>	-20 °C to +50 °C
<b>Humidity</b>	100 % (condensing)
<b>IP rating</b>	IP65 (outdoor-rated)
<b>Grid type</b>	three phase   400 V   50 Hz
<b>Communication</b>	Modbus TCP, OCPP 1.6J, API
<b>Tests and directives</b>	CE, EMC Directive 2014/30/EU, Low voltage directive 2014/35/EU, DIN EN IEC 62485-1 / -5, IEC 62619, UN 38.3, VDE AR N 4105, VDE AR 4110, NTS 2.1, UNE 206007-1IN, UNE217002, CEIO-16, CEIO-21
<b>Warranty<sup>1</sup></b>	5 years Product Guarantee 10 years for inverter and battery modules
<b>Cycles<sup>1</sup></b>	6.000



## sonnenPro FlexStack | Configurations

Nominal battery capacity in kWh					No. of Units
110	✓				2
165	✓				2
220	✓	✓			3
275	✓	✓			3
330	✓	✓	✓		3
385	✓	✓	✓		4
440	✓	✓	✓	✓	4
495	✓	✓	✓	✓	4
<b>Power in kW</b>	92	184	276	368	

<sup>1</sup> Please consider the current warranty conditions. Only in combination with sonnenPro service agreement.