



## 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 60 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<sup>1</sup> in kW</b>	60 - 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 V</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, UNE 217002, CEI 0-16, CEI 0-21
<b>Warranty<sup>2</sup></b>	5 years Product Guarantee 10 years for inverter and battery modules
<b>Cycles<sup>2</sup></b>	6000

<sup>1</sup> The specific charging and discharging power for each configuration is shown in the table on page 2.



## sonnenPro FlexStack | Configurations

Nominal battery capacity in kWh	Power (charging) in kW				No. of units
<b>110</b>	60				<b>2</b>
<b>165</b>	92				<b>2</b>
<b>220</b>	92	120			<b>3</b>
<b>275</b>	92	150			<b>3</b>
<b>330</b>	92	180	180		<b>3</b>
<b>385</b>	92	184	210		<b>4</b>
<b>440</b>	92	184	240	240	<b>4</b>
<b>495</b>	92	184	270	270	<b>4</b>
<b>Power (discharging) in kW</b>	<b>92</b>	<b>184</b>	<b>276</b>	<b>368</b>	

<sup>2</sup> Please consider the current warranty conditions. Only in combination with sonnenPro service agreement.

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.

Version: July 2024