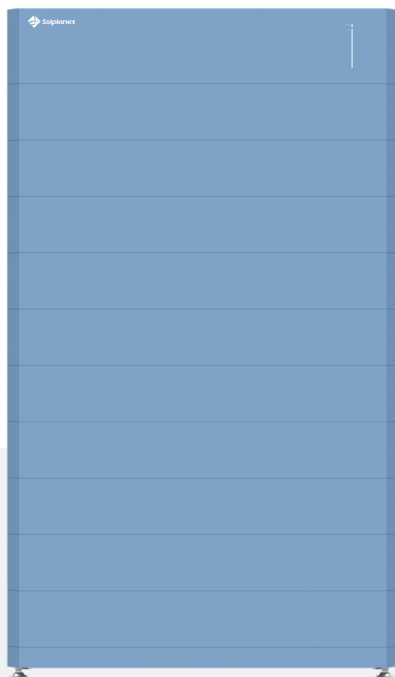


High Voltage Battery 10 to 51 kWh

AP-H Series



Models:

APH5.0-S2

APH5.0-S3

APH5.0-S4

APH5.0-S5

APH5.0-S6

APH5.0-S7

APH5.0-S8

APH5.0-S9

APH5.0-S10



Easy-to-install

- Stackable up to 51.2 kWh per tower, max. 4 towers in parallel (204.8 kWh)
- Plug-and-play design for simplified installation



Safe & Reliable

- Built-in emergency fire suppression module
- IP65 rated design for indoor and outdoor use
- Built with durable LFP technology and an intelligent battery management system



User-Friendly

- 51 kWh tower at just 1.8 meters in height
- Lightweight modules for easier handling and installation
- Compact design fits for narrow spaces like garages and walkways
- 5 selections for operating (LED) indicator via Solplanet's App

Technical Datasheet

APH5.0-S2

APH5.0-S3

APH5.0-S4

APH5.0-S5

APH5.0-S6

APH5.0-S7

APH5.0-S8

APH5.0-S9

APH5.0-S10

System Data

General Data

Battery designation									
Battery module	APH 5.0								
Module quantity	2	3	4	5	6	7	8	9	10
Cell type	LiFePO4								
Rated capacity	100 Ah								
Nominal energy ¹	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh	35.84 kWh	40.96 kWh	46.08 kWh	51.2 kWh
Usable energy ²	9.72 kWh	14.59 kWh	19.45 kWh	24.32 kWh	29.18 kWh	34.04 kWh	38.91 kWh	43.77 kWh	48.64 kWh
Nominal voltage	102.4 V	153.6 V	204.8 V	256.0 V	307.2 V	358.4 V	409.6 V	460.8 V	512.0 V
Battery voltage range	80 V - 118.4 V	120 V - 177.6 V	160 V - 236.8 V	200 V - 296 V	240 V - 355.2 V	280 V - 414.4 V	320 V - 473.6 V	360 V - 532.8 V	400 V - 592 V
Recommended charge / discharge current	50 A / 50 A								
Max. charge / discharge current	50 A / 50 A								
Rated DC power	5.12 kW	7.68 kW	10.24 kW	12.8 kW	15.36 kW	17.92 kW	20.48 kW	23.04 kW	25.6 kW
Rated charge / discharge power	5.12 kW	7.68 kW	10.24 kW	12.8 kW	15.36 kW	17.92 kW	20.48 kW	23.04 kW	25.6 kW
Max. charge / discharge power	5.12 kW	7.68 kW	10.24 kW	12.8 kW	15.36 kW	17.92 kW	20.48 kW	23.04 kW	25.6 kW
Dimensions (W / D / H)	1040 / 250 / 600 mm	1040 / 250 / 750 mm	1040 / 250 / 900 mm	1040 / 250 / 1050 mm	1040 / 250 / 1200 mm	1040 / 250 / 1350 mm	1040 / 250 / 1500 mm	1040 / 250 / 1650 mm	1040 / 250 / 1800 mm
Weight	111.0 kg	157.0 kg	203.0 kg	249.0 kg	295.0 kg	341.0 kg	387.0 kg	433.0 kg	479.0 kg
Installation location	Indoor / Outdoor								
Mounting method	Floor mounted								
Operating temperature range	Charge: 0 °C ~ 58 °C Discharge: -20 °C ~ 58 °C"								
Storage temperature range	-20 °C ~ 60 °C								
Cooling concept	Natural convection								
Protective class	I								
Degree of protection	IP65								
Relative humidity	5 % - 95 % (Non-condensing)								
Max. operating altitude	4000 m (>3000 m derating)								
Communication	CAN								
Country of manufacture	China								
Certification	IEC 62619, IEC 62040, IEC 63056, IEC 61000								
Cycle life ³	6000 times								
Round-trip efficiency	≥ 95 %								

1. Nominal energy is defined under the following conditions: 0.5C charge & discharge at 25 °C.
2. Usable energy is defined under the following conditions: 95 % DOD, 0.2C charge & discharge at 25 °C.
3. Cycle life is defined under the following conditions: 90 % DOD, 0.5C charge & discharge at 25 °C (One cycle a day), 70 %EOL.

