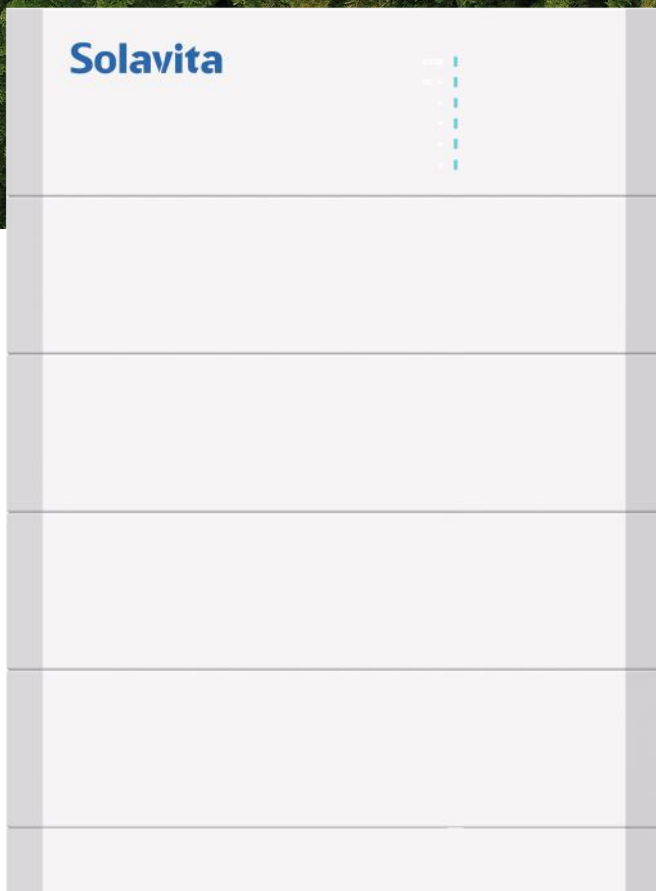


Energy Storage System - High Voltage Batteries



Expandable up to
20.48kWh(max 8 modules)



IP65 Dust&Water
Proof



10 years warranty



Powered by LiFePO4
battery cells



Modular & Plug and
Play design



24/7 data monitoring

Solavita

Technical Specifications

Model	SV 7KH-S3	SV 10KH-S4	SV 12KH-S5	SV 15KH-S6	SV 17KH-S7	SV 20KH-S8
System Data						
Cell type	LiFePO4					
Module quantity	3	4	5	6	7	8
Nominal energy ¹	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh	17.92 kWh	20.48 kWh
Usable energy ²	6.91 kWh	9.21 kWh	11.52 kWh	13.82 kWh	16.12 kWh	18.43 kWh
Nominal voltage	153.6 V	204.8 V	256 V	307.2 V	358.4 V	409.6 V
Operating voltage	120 V ~ 175.2 V	160 V ~ 233.6 V	200 V ~ 292 V	240V ~ 350.4 V	280 V ~ 408.8 V	320 V ~ 467.2 V
Nominal charging / discharging current	25 A					
Max. charging / discharging current	30 A					
General Data						
Dimensions (W/D/H)	540/390/600 mm	540/360/730 mm	540/390/860 mm	540/390/990 mm	540/390/1120 mm	540/390/1250 mm
Weight	106.5 kg	137 kg	167.5 kg	198 kg	228.5 kg	259 kg
Battery module weight	30.5 kg					
Installation location	Indoor/outdoor					
Mounting method	Floor mounted					
Operating temperature range	Charge: 0 ~ 55 °C Discharge: -20°C ~ 50°C					
Storage temperature range	-20°C ~ 45 °C					
Cooling concept	Natural convection					
Degree of protection	IP65					
Relative humidity	5~95 %, non-condensing					
Communication	CAN					
Certification	IEC 62619 / EN 61000 IEC 62040 / UN38.3					
Life cycle ³	6000 times					

1. Nominal energy is defined under the following conditions: cell voltage 2.0 ~ 3.65 V , 1C charge & discharge at +25°C .

2. Usable energy is defined under the following conditions: 90 % DOD, 1C charge & discharge at +25 °C .

Usable energy may vary depending on discharge, charge, environmental conditions and SOC % limits defined by the user.

3. Life cycle is defined under the following conditions: 80 % DOD, 0.2C charge & discharge at +25 °C .