



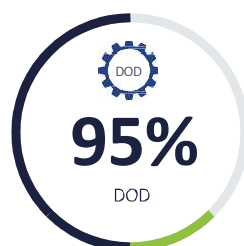
Smart Solar Systems GmbH
Wärmepumpen, Solar & Elektrik



HVES Home H Series

SMART ENERGY
SUSTAINABLE SOLUTIONS

2.7 kWh High Voltage Battery



Leading Technology

- Optimized compact modular design enables higher flexibility installation and operation
- Higher DOD (95%) for more usable energy
- Extreme lightness and thinness for single person rapid installation

Ultra Safety

- Built-in aerosol fire-protection system
- Improved heat dissipation structure
- Top-quality lithium iron phosphate for a long-time cycle life

Smart Management

- 24/7 real-time monitoring & remote diagnosis or upgrade

HVES Home H Series

Model	HOMEESHV2.7K					
Cell Type	LFP(LiFePO4)					
Module Energy	2.7kWh					
Module Weight	25.4Kg					
Number of Modules	3	4	5	6	7	8
System Structure						
Nominal Energy (kWh)	8.1	10.8	13.5	16.2	18.9	21.6
Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6
Operating Voltage Range (V)	144-172.8	192-230.4	240-288	288-345.6	336-403.2	384-460.8
Dimension(W*D*H) (mm)	650*225*728	650*225*890	650*225*1052	650*225*1214	650*225*1376	650*225*1538
Weight (Kg)	89.05	114.40	139.75	165.10	190.45	215.80
Charging Temperature	From -5 to 55°C					
Discharging Temperature	From 20 to 55°C					
Depth of Discharge	95% DOD					
Nominal Charge/Discharge Current	25A					
Max. Charge/Discharge Current	50A					
Cycle Life	>6000, 25°C					
Ingress Protection Degree	IP65					
Cooling Type	Natural convection					
Humidity	5%~95%					
Altitude	<2000					
Warranty	10 years					
Communication	CAN/RS485/WIFI/Bluetooth					
Battery Safety	IEC 62619/IEC 62477/CE					
Transportation Certification	UN38.3					

• Maximum support for 12 units in series.

IoT Technology Smart Systematic EMS Based on AI

An all-round platform to power your life

- ✓ Smart control to optimize your energy allocation provide 24/7 automatic monitoring
- ✓ Thoughtful cloud service for preserving batteries providing remote diagnostics or upgrades
- ✓ Intelligent technology extends battery life anticipates and resolves potential problems



info@smartsolarsystems.com

+41 78 671 11 80

smartsolarsystems.ch

Industriestrasse 3, Ried (Muotathal)

HVES Home H Series

Model	HOMEESHV2.7K			
Cell Type	LFP(LiFePO4)			
Module Energy	2.7kWh			
Module Weight	25.4Kg			
Number of Modules	9	10	11	12
System Structure				
Nominal Energy (kWh)	24.3	27.0	29.7	32.4
Nominal Voltage (V)	460.8	512.0	563.2	614.4
Operating Voltage Range (V)	432518.4	480576	528633.6	576691.2
Dimension(W*D*H) (mm)	650*225*1700	650*225*1862	650*225*2024	650*225*2186
Weight (Kg)	241.15	266.50	291.85	317.20
Charging Temperature	From -5 to 55°C			
Discharging Temperature	From 20 to 55°C			
Depth of Discharge	95% DOD			
Nominal Charge/Discharge Current	25A			
Max. Charge/Discharge Current	50A			
Cycle Life	>6000, 25°C			
Ingress Protection Degree	IP65			
Cooling Type	Natural convection			
Humidity	5%~95%			
Altitude	<2000			
Warranty	10 years			
Communication	CAN/RS485/WIFI/Bluetooth			
Battery Safety	IEC 62619/IEC 62477/CE			
Transportation Certification	UN38.3			

• Maximum support for 12 units in series.

IoT Technology Smart Systematic EMS Based

An all-round platform to power your life

- √ Smart control to optimize your energy allocation provide 24/7 automatic monitoring
- √ Thoughtful cloud service for preserving batteries providing remote diagnostics or upgrades
- √ Intelligent technology extends battery life anticipates and resolves potential problems



info@smartsolarsystems.com

+41 78 671 11 80

smartsolarsystems.ch

Industriestrasse 3, Ried (Muotathal)