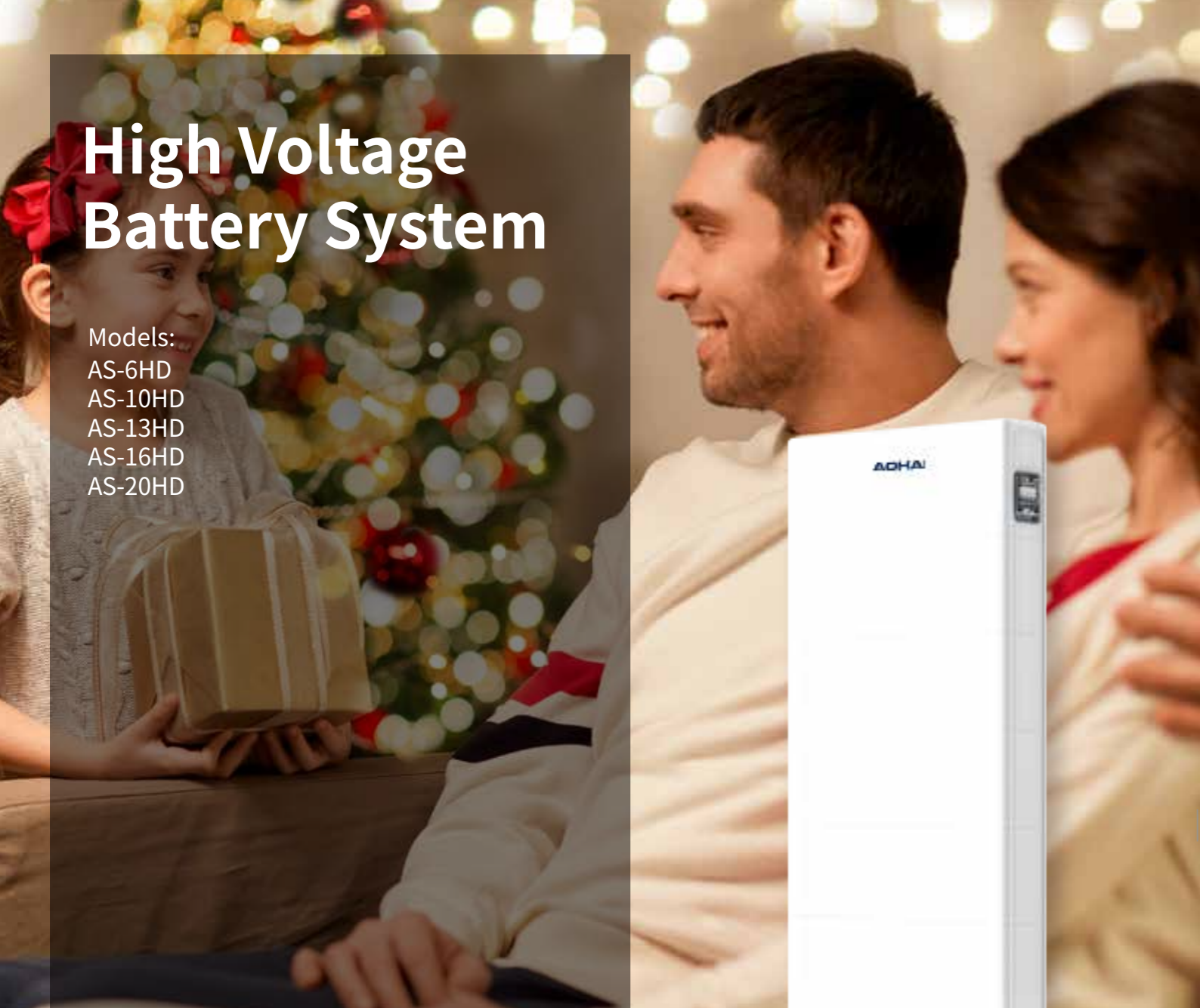


# High Voltage Battery System

Models:  
AS-6HD  
AS-10HD  
AS-13HD  
AS-16HD  
AS-20HD



The AS-HD series are high-voltage batteries, built in advanced smart battery management system and Tier 1 ATL's ultra safe LiFePO4 cells, designed specially for Germany, the US, Australia, the UK, and other mainstream residential PV storage markets, perfect for PV systems, especially the residential one.

## Technical Datasheet

	AS-6HD	AS-10HD	AS-13HD	AS-16HD	AS-20HD
Specification					
Nominal energy (kWh)	6.68	10.03	13.37	16.71	20.06
Nominal Voltage(V)	204	307	409	512	614
Working voltage range (V)	185~227	278~340	371~454	464~568	556~681
Max. Charging Current(A)	32 (15°C~45°C)				
Max. Discharging current(A)	32(0°C~45°C)				
Operating temperature range	- 20°C~55°C				
Recommended operating temperature	15°C~30°C				
Storage conditions	Temperatur	-20°C ~ + 45°C			
	Humidity	5%-95%RH			
Cycle Life	8000 Cycles				
Dimensions	793*276*850	793*276*1100	793*276*1350	793*276*1600	793*276*1850
Weight(kg)	84	117.5	151	184.5	218
Ingress protection	IP65				
Operation altitude	≤2000m				
Communication	CAN,RS485				
Module Series connection	2S	3S	4S	5S	6S
Rack Parallel connection	4P				
Certification	IEC62619:2022/CE/VDE 2510-50/UL1973/UL9540A/UN38.3+PI965				



### Safe and reliable

High safety LiFePO4 battery. Designed to comply with IEC, UL standards.



### Long Life

8,000+ cycles 10-year standard warranty with extended option up to 15 years



### Easy Installation & Expansion

Integrated design, wall or floor mounted. Support multiple packs in parallel



### Higher adaptability

**-20°C~55°C** support  
Wide temperature range cell built inside, make you enjoy the sunshine freely