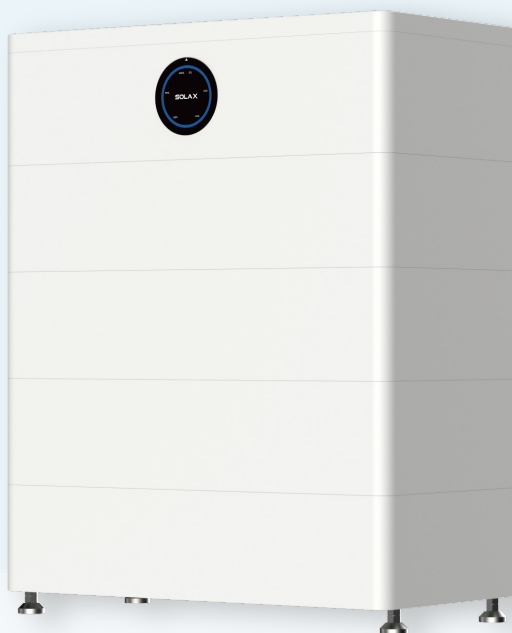


High-voltage Battery System



HS70

14.0 kWh ~ 77.2 kWh



High Performance

- 14.0-77.2 kWh wide capacity range
- Max. 70A charging / discharging current
- 100% DOD, fully utilizes battery capacity
- Cell-level active balancing, maximizes battery capacity utilization, optimizes battery cycle life



Assured Reliability

- LFP battery cell & high-performance processors
- Aerosol fire suppression for precise protection
- IP66 Ingress protection



Smart Management

- Built-in AI BMS — safer and more efficient
- AI SOC, promotes balancing efficiency with cell-level SOC estimation
- AI ISC, supports 7-day advanced internal short-circuit warning
- Remote fault diagnosis, upgrade and maintenance



Flexible Adaptability

- Stackable modules, plug and play design
- Supporting mixed use of new and old batteries
- Supporting rapid capacity expansion, no energy loss

	HS70L/S-2	HS70L/S-3	HS70L/S-4	HS70L/S-5	HS70L/S-6
Number of battery modules	 1	 2	 3	 4	 5
GENERAL INFORMATION					
Nominal voltage	115.2 d.c. V	172.8 d.c. V	230.4 d.c. V	288.0 d.c. V	345.6 d.c. V
Operating voltage range	90 - 131.4 d.c. V	135 - 197.1 d.c. V	180 - 262.8 d.c. V	225 - 328.5 d.c. V	270 - 394.2 d.c. V
Nominal energy	14.0 kWh	21.0 kWh	28.1 kWh	35.1 kWh	42.1 kWh
Usable energy(100% DOD)①	14.0 kWh	21.0 kWh	28.1 kWh	35.1 kWh	42.1 kWh
Rated charge/ discharge power	3.4 kW / 8.0 kW	5.1 kW / 12.0 kW	6.9 kW / 16.1 kW	8.6 kW / 20.1 kW	10.3 kW / 24.1 kW
Max. charge/ discharge power	3.4 kW / 8.0 kW	5.1 kW / 12.0 kW	6.9 kW / 16.1 kW	8.6 kW / 20.1 kW	10.3 kW / 24.1 kW

	HS70L/S-7	HS70L/S-8	HS70L/S-9	HS70L/S-10	HS70L/S-11
Number of battery modules	 6	 7	 8	 9	 10
GENERAL INFORMATION					
Nominal voltage	403.2 d.c. V	460.8 d.c. V	518.4 d.c. V	576.0 d.c. V	633.6 d.c. V
Operating voltage range	315 - 459.9 d.c. V	360 - 525.6 d.c. V	405 - 591.3 d.c. V	450 - 657 d.c. V	495 - 722.7 d.c. V
Nominal energy	49.1 kWh	56.2 kWh	63.2 kWh	70.2 kWh	77.2 kWh
Usable energy(100% DOD)①	49.1 kWh	56.2 kWh	63.2 kWh	70.2 kWh	77.2 kWh
Rated charge/ discharge power	12.0 kW / 28.2 kW	13.8 kW / 32.2 kW	15.5 kW / 36.2 kW	17.2 kW / 40.3 kW	19.0 kW / 44.3 kW
Max. charge/ discharge power	12.0 kW / 28.2 kW	13.8 kW / / 32.2 kW	15.5 kW / / 36.2 kW	17.2 kW / 40.3 kW	19.0 kW/ 44.3 kW

GENERAL INFORMATION	
Depth of discharge (DOD) ②	Max. 100% DOD (settable)
Max. charge / discharge current③	30 A / 70 A
Cycle life (100% DOD)④	> 6000 Cycles
Warranty	10 Years

ENVIRONMENT LIMIT	
Charge temperature	-30 – +53°C (with heating function) 0 – +53°C (without heating function)
Discharge temperature	-30 – +53°C (with heating function) -20 – +53°C (without heating function)
Cooling concept	Natural cooling
Storage temperature	-20°C - +30°C (12 months) +30°C - +50°C (6 months)
Relative humidity	4 - 100% RH (condensing)
Max. operating altitude	3000 m
Installation type	Stackable
Ingress protection	IP66
Environment	Outdoor / Indoor

BMS	
Model	HS70L-B / HS70S-B
Module capacity	7.0 kWh
Dimensions (WxHxD)	715.6 × 196 × 395 mm
Net weight	53.5 kg

BATTERY MODULE	
Battery model	HS70-P
Battery type	LFP
Module capacity	7.0 kWh
Dimensions (WxHxD)	690 × 216 × 355 mm
Net weight	52 kg
Composition	HS70S/L-B+HS70-P x n

COMMUNICATION	
Display	Indicators
Communication interfaces	CAN2.0 / RS485

STANDARD	
Hazardous materials classification	Class 9
Transport testing requirement	UN38.3
Protection class	Class I

① Test conditions: 100% DOD, 0.2C charge & discharge @+25°C

② Actual available DOD depends on the compatible inverter model and system configuration

③ Current is affected by temperature and SOC

④ Test conditions: 25±2°C, 0.5C charge & discharge, 70% EOL