



HV SERIES Battery

YINERGY HV Series battery, sparkling with innovation, provides you with intelligent integration storage solutions.

There is a model under high voltage platform, which is H2500-SYSTEM. Each battery stack has a capacity of 2.4 kWh and voltage of 102.4 V. This product can handle up to a voltage of 600 V sharing our minted Smart BMS.

YINERGY HV Series battery will inaugurate a new era in the residential energy storage industry.



Smart System Design

- LFP Chemistry
- Automatic Battery System Configuration (set-up free)
- 1 and 3 phase, on grid / off grid / backup support
- Up to 6 towers in parallel
- Automatic Inverter Configuration (set-up free)
- Intelligent Display (Key Info, Err code, SOC)
- No DC/DC, high efficiency system layout

Smart Installation Design

- Stackable Design, Easy Installation, $\leq 35\text{kg}$ / Stack
- Slim and Compact
- Plug-Play (Direct Connect RJ45)
- Aluminum Housing
- IP65 Protection

H2500-SYSTEM

Number of Stacks	2	3	4	5
Usable Energy	4.8KWh	7.2KWh	9.6KWh	12.0KWh
Max Output Current	25 A	25 A	25 A	25 A
Peak Output Current	50 A (5s)	50 A (5s)	50 A (5s)	50 A (5s)
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V
Operating Voltage Range	172.8~233.6 V	259.2~350.4 V	345.6~467.2 V	432~584 V
Scalability	Up to 6 towers in parallel (From 4.8 kWh to 72.0 kWh)			
Dimensions (H*W*D) (mm)	625* 650* 260	800* 650* 260	975* 650* 260	1150* 650* 260
Weight	90 kg	125 kg	160 kg	195 kg

Battery Stack

MODEL	H2500
Battery Cell Technology	LFP
Operation Temperature	-10~55 °C
Usable Energy	2.4 kWh
Nominal Voltage	102.4 V
Operating Voltage Range	86.4~116.8 V
Max Output Current	25 A
Peak Output Current	50 A (5s)
Dimensions (H/W/D)	175* 650* 260 mm
Weight	≤ 35 kg

Smart BMS

Operating Voltage Range	120~600 V
Max Output Current	30 A
Peak Output Current	50 A (5 s)
Communication	CAN 2.0 / RS485
Dimensions (H/W/D)	180* 650* 260 mm
Weight	≤ 20 Kg
H2500- SYSTEM	2 To 5 Stacks

General Parameters

Operation Temperature	-10~55 °C
Protection Rating	IP65
Round-trip Efficiency	≥ 95%
Certification Compliance	CE / UKCA / UN38.3 / IEC62619
Applications	ON Grid / ON Grid + Backup / OFF Grid
Warranty	10 Years
Cycle life	>6000 Cycle @ 90%DOD/25 /1C,60%EOL