

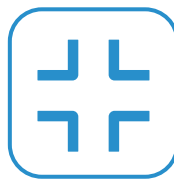
Residential ESS

STACK HV SERIES (15-40kWh)

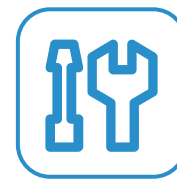
The STACK HV Series is specifically designed for extensive residential use. Featuring a stackable configuration with self-adjusting modules, it offers a choice of six energy capacities, reaching up to 40.96kWh, and supports parallel connections. Utilizing cutting-edge LiFePO4 technology, it allows for remote upgrades, boasts high waterproofing capabilities, and excels in efficient cooling.



APP Monitoring
Real-time monitoring & Remote upgrade available



Stronger Scalability
Maximum capacity of 122.88 kWh with 3 groups in parallel



Easier Installation
Stackable design, Plug & Play



Higher Level Safety
LFP & Smart BMS



Longer Life Time
Long cycle life and superior performance



Wider Compatibility
Compatible with Top inverter brands



Specification STACK HV SERIES

Model	STACK-15	STACK-20	STACK-25	STACK-30	STACK-35	STACK-40
Battery Module Type	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Module Quantity	3	4	5	6	7	8
Nominal Voltage (V)	153.6	204.8	256.0	307.2	358.4	409.6
Nominal Capacity (KWH)	15.36	20.48	25.60	30.72	35.84	40.96
Usable Energy (KWH)	13.15	19.35	24.19	29.03	33.87	38.70
Discharge Voltage (V)	120~144	160~192	200~240	240~288	280~336	320~384
Charge Voltage (V)	168~175.2	224~233.6	280~292	336~350.4	392~408.8	448~467.2
Recommend Charge/ Discharge Current (A)	50	50	50	50	50	50
Peak Charge/ Discharge Current(A)	100	100	100	100	100	100
Dimensions (W*D*H)	590*420*677	600*400*838	600*400*999	600*400*1160	600*400*1321	600*400*1482
Net Weight (kg)	170	215	260	305	350	395
Communicaiton	RS485/RS232/CAN					
Working Temperature	0℃~50℃ Charge - 10℃~50℃ Discharge					
Shelf Temperature	-20℃~60℃					
Protection Level	IP54					
Battery Module Name	HV51100					
Expansion	Max. 3 Stacks can be connected in parallel					
Certification	CE/IEC/UL/UN38.3/MSDS					
Design Life	10 years+					
Cycle Life	>6000					
Warranty	10 years					
Compatible Inverters	Goodwe/Solis/SAJ/Sinexcel/Atess/Deye/Megarevo/Sunways/SRNE etc.					