

SIMPO HV

Residential ESS / Small C&I

Easy Stackable 120 ~657V

6.4kWh ~230.4kWh



SIMPO HV		Specifications							
Module Data	3.2 kWh, 64V, 36.4kg								
Module Quantity in Tower	2	3	4	5	6	7	8	9	
Usable Energy(kWh)	6.4	9.6	12.8	16.0	19.2	22.4	25.6	28.8	
Nominal Voltage (V)	128	192	256	320	384	448	512	576	
Operating Voltage Range(V)	120~146	180~219	240~292	300~365	360~438	420~511	480~584	640~657	
Max Continuous Current(A)	30								
Peak Current(5s)	45								
Weight(kg)	92.5	128.9	165.3	201.7	238.1	274.5	310.9	347.3	
Dimension_W(mm)	610								
Dimension_D(mm)	240								
Dimension_H(mm)	670	860	1050	1240	1430	1620	1810	2000	
Round-trip Efficiency	96.0%								
Charging Temp Range(°C)	-10~50								
Discharging Temp Range(°C)	-20~50								
Operating Humidity	Up to 95% (Non-condensing)								
IP Rating	IP65								
Communication	CAN / Modbus RS485								
Altitude (m)	≤3000								
Warranty	10 Years + 2.5 Years(Optional)								
Scalability(Parallel)	1~8 Towers								
Certificate	UN38.3 / CE / IEC62619 / CEC / VDE2510-50								

20 Premium Benefits



Chemistry
Reliable LFP Prismatic



Enclosure
IP65: ideal for both indoor and outdoor



Quick Connect
Plug-in terminals



Min/ Max System Size
6.4KWh-230.4KWh, fits both: residential and C&I



Intelligent HMI
Data Display and Black Start



Optimized Parallel Connection
Tower hot swappable, uninterrupted system operation



Smart Module
Each battery module stores data: SOC, SOH, temperatures, etc. fulfilling the new EU Directive



Integrated BMS Design
Integrated main board and communication board, reduce consumption and more reliable



Cybersecurity
Robust cybersecurity measures



Performance Warranty
80% performance 10 years



Smaller Floor Print
Compact and installation floor print reduced by 30%



Quick Installation
No screw design module connect



Operation Voltage
100-700V



Parallel Connection
8 towers parallel connection



Smart Start
One click configuration without app



Anti-circular Current
Integrated DC-DC in BMS for anti-circular current



Enhanced BIC Communication
Bi-directional BIC, improving communication reliability



Remote Monitoring
Customized web portal for monitoring and controlling your energy design projects



EU Directive
Design and manufacture fulfillment in advance



Low Temperature Performance
Ensures optimal charging/ discharging even at -10°C