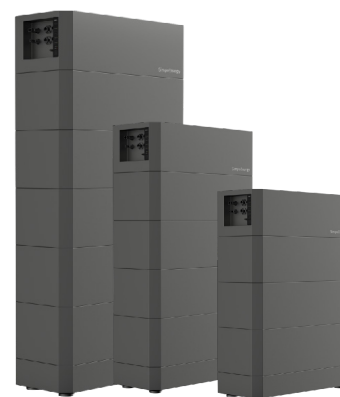


SIMPO HV

Residential ESS / Small C&I
Easy Stackable 102 ~653.4V
6.4kWh ~230.4kWh



SIMPO HV		Specifications						
Module Data		3.2 kWh, 64V, 36kg						
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)	102~145.2	153~217.8	204~290.4	255~363	306~435.6	357~508.2	408~580.8	459~653.4
Max Continuous Current(A)	30							
Peak Current(5s)	45							
Weight(kg)	102	138	174	210	246	282	318	354
Dimension_W(mm)	610							
Dimension_D(mm)	240							
Dimension_H(mm)	570	760	950	1140	1330	1520	1710	1900
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