



SIMPO HV

Residential ESS / Small C&I
Easy Stackable 120-657V
6.4kWh-230.4kWh

SIMPO HV								
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	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	540~657
Max Continuous Current(A)	30							
Peak Output(A)	45, 5s							
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							
Scalability(Parallel)	1~8 Towers							
Certificate	UN38.3 / CE / IEC62619 / CEC / VDE2510-50							

16 Premium Benefits To Simplify Your Project



LFP Prismatic

Reliable chemistry for energy storage needs



IP65-Rated

Ideal for indoor and outdoor use with IP65 protection



Operation Voltage

100-700V Range



Parallel Connection

Connect up to 8 towers in parallel



Optimized Parallel Connection

Hot-Swappable towers for uninterrupted operation



Smart Start

No app needed, just one-click setup



Portal Monitoring

Real-Time access and control of your system



High C Rate

Maximizing performance with resilient power output



Smaller Floor Print

Compact and installation floor print reduced by 30%



Screwless Installation

Easy assembly with screwless module connection



Quick Connect

Plug-in terminals



Intelligent HMI

Features data display and black start capabilities



Min/Max System Size

6.4KWh-230.4KWh, for residential and C&I



Low Temperature Performance

Ensures optimal charging even at -10°C



Cybersecurity

Robust cybersecurity measures



Performance Warranty

10 years performance warranty