

ENP5105S

Residential Energy Storage System



Auto ID



Automatically assign any host



Smart Temperature Control



Smart parallel technology compatible with batteries with different SOC and voltages



Technical Specification

Model no	ENP5105S-3	ENP5105S-4	ENP5105S-5	ENP5105S-6	ENP5105S-7	ENP5105S-8
Number of Modules	3	4	5	6	7	8
Battery System Capacity	15.36KWh	20.48KWh	25.6KWh	30.72KWh	35.85KWh	40.96KWh
Useable Energy	15KWh	20KWh	25KWh	30KWh	35KWh	40KWh
Nominal Voltage	153 V	204 V	256V	307 V	358V	409V
Operating Voltage Range (V)	130~173 V	173~230 V	216~288 V	260~345 V	302~403 V	346~461 V
Rated Power (KW)	5.7KW	7.6KW	9.5KW	11.4KW	13.2KW	15.1KW
Rated Discharge Current (A)	37A	37A	37A	37A	37A	37A
Max Discharge Current (A)	60A	60A	60A	60A	60A	60A
Rated Charging Current (A)	37A	37A	37A	37A	37A	37A
Max Charging Current (A)	60A	60A	60A	60A	60A	60A
Peak Output Current	75 A, 5s	75 A, 5s	75 A, 5s	75 A, 5s	75 A, 5s	75 A, 5s
Dimensions (H/W/D)	864x670x336	1082x670x336	1300x670x336	1518x670x336	1736x670x336	1954x585x295
Weight	151kg	193kg	235kg	277kg	319kg	361kg

Model no	ENP5105S
Operating Temperature	10 °C to +50°C
Operating Humidity / Altitude	0~95%RH / <= 3000m
Battery Cell Technology	Lithium Iron Phosphate (cobalt free)
Communication	RJ 45 (CAN / RS485)
Enclosure Protection Rating	IP65
Life Cycle	>=6000 cycles @ 80% EOL, 25° C, 100% DoD
Certification	IEC62619/ UN38.3
Applications	On Grid / On Grid + Backup / Off Grid
Warranty	10 Years



Superior Efficiency
Experience maximum efficiency with up to 100% usable energy.



IP65 Protection Rating
Modular design, natural cooling, indoor use



Flexible Investment Options
Supports up to 3 units in parallel.



Effortless Installation
Modular design allows for quick and seamless integration.



Exceptional reliability
Our LFP-based battery technology ensures consistently high performance.



Expandable Capacity
Effortlessly combine multiple units to increase energy output as needed.



Enhanced Safety Features
Intelligent temperature control guarantees battery safety and longevity.



Extended Service Life
Optimized cycle life exceeds 6000 cycles for long-lasting reliability.