

Wall/Floor-mounted Residential ESS (LV)



Slim design & cost effective



2 in 1 super slim design

Wall mount or floor standing; 14cm depth, 50% thinner; 45kg weight, 10% lighter



Flexible scalability

5kWh modular design, scalable from 5kWh to 40kWh



6 safety protection

Overcharge protection, charge overvoltage, discharge under-voltage, overcurrent, over-temperature, short circuit protection




Safe

IP65, outdoor application



Cost effective

Save investment cost

Model	NLW-1Y5K
Picture	
Cell type	LiFePO4 Prismatic cell
Nominal energy	5.32 kWh
Usable energy (95% DOD)	5.05 kWh
Max charge current	50 A
Max discharge current	100 A
Nominal voltage	51.2 V
Operating voltage range	43.2 ~ 57.6 V
Communication	RS485, CAN, WIFI
Protection function	Charge overvoltage, discharge under-voltage, overcurrent, over-temperature, short circuit protection
Cycle life	>6000 (25°C)
Scalability	Recommended ≤3, (Max.8 in parallel)
Protection rating	IP65
Cooling type	Natural convection
Working temperature	Charging: [-10, +50]°C
	Discharging: [-20, +50]°C
Working environment humidity	≤95% (RH)
Working altitude	≤ 2000 m
Warranty	10 years
Operating Condition	Indoor or outdoor
Installation	Wall mounted / Ground installation
Certifications	IEC62619, CE, IEC62638, UKCA
Transportation	UN 38.3
Size W * H * D (mm)	420 * 650 * 140
Weight	45 kg

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