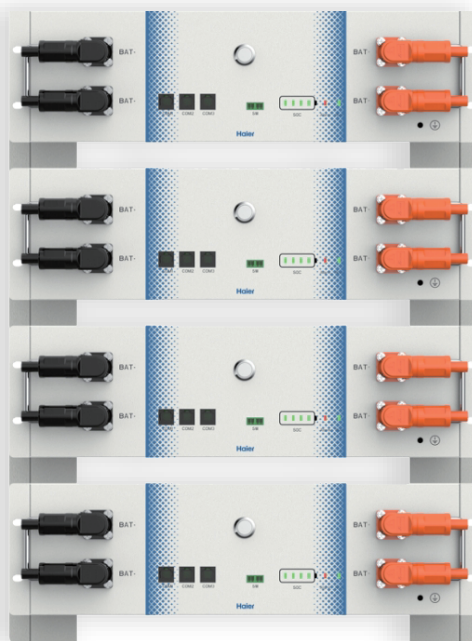


# HLR-1X5/10/15/20K

## Residential ESS (LV)

Haier



Intelligent matching, free expansion



### Safe

LFP cell 3-layer safety protection & 5 patented technologies



### Flexible

5kWh modular design, scalable from 5 to 40kWh





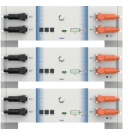
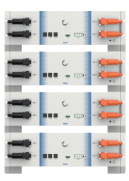
### Easy Installation

Compact and Light, plug and play; 1-2 persons installation



### Durable

>6000 life cycles , 10 year product warranty

Model	HLR-1X5K	HLR-1X10K	HLR-1X15K	HLR-1X20K
Picture				
Cell type	LiFePO4 Prismatic Cell			
Battery module	B051100P02-H (5.12 kWh, 51.2 V, 45 kg)			
Number of modules in parallel	1	2	3	4
Nominal energy	5 kWh	10 kWh	15 kWh	20 kWh
<b>Usable energy (90% DOD)</b>	4.5 kWh	9 kWh	13.5 kWh	18 kWh
Nominal charge / Discharge current	50 A / 50 A	100 A / 100 A	150 A / 150 A	200 A / 200 A
Max charge / Discharge current	100 A / 100 A	180 A / 180 A	200 A / 200 A	200 A / 200 A
Nominal voltage	51.2 V			
Operating voltage range	44.8 ~ 55.2 V			
Communication	CAN / RS485 / WiFi / Bluetooth			
Protection function	Charge overvoltage, discharge under-voltage, overcurrent, over-temperature, short circuit protection, etc.			
Cycle life	> 6000 times ( 25°C, 0.5 C / 0.5 C, 90% DOD, 70% EOL)			
Scalability	Max 4 battery packs in Parallel for each rack; Max 2 racks in Parallel; Combiner box needed for expansion			
Protection rating	IP20			
Cooling type	Natural convection			
Working temperature	Charging: [ -10, +50 ]°C			
	Discharging: [ -20, +50 ]°C			
Working environment humidity	10 % ~ 95 % ( non condensation )			
Working altitude	< 4000 m ( Derating over 2000m )			
Warranty	10 Years			
Operating conditions	Indoor			
Installation	Wall mounting / Ground Installation			
Certifications	UL1973, FCC, UL9540, IEC62619, CE			
Transportation	UN 38.3			
Size W * H * D (mm)	440 * 135 * 410 (module)			
Weight	45 kg	90 kg	135 kg	180 kg

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