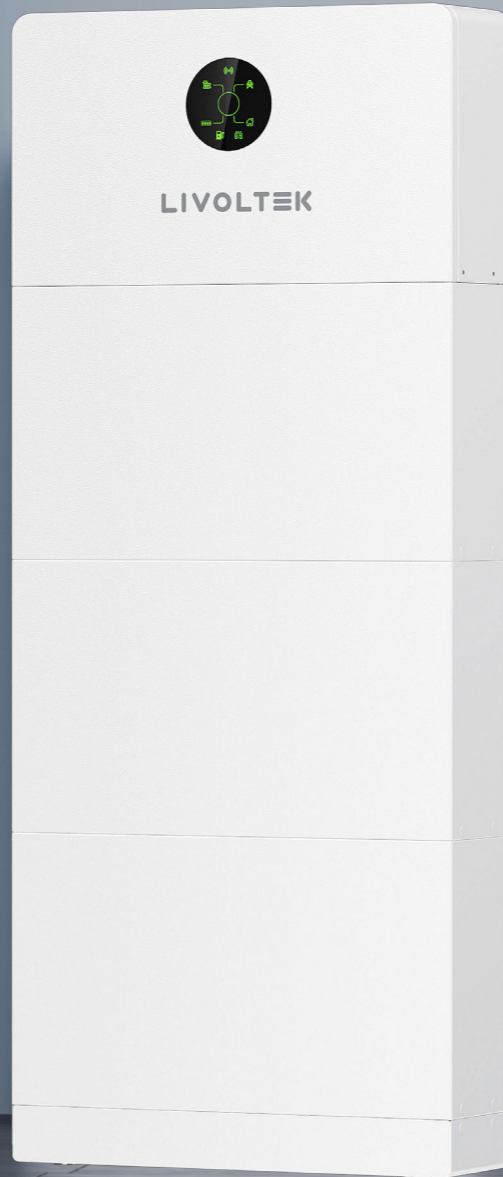


ALL-IN-ONE ESS

iPower HES1-3K/3K6/4K6/5K/5K5/6K S2 HES1-1K5/3KL2

The all-new iPower HES1-3K/3K6/4K6/5K/5K5/6K S2 series is an integrated residential solar-storage-charging solution. Featuring a completely redesigned exterior that blends with home decor styles, it offers simple and convenient installation with a neat, aesthetically pleasing result after setup. Compatible with large photovoltaic modules, it can simultaneously charge batteries and feed power to the grid at rated capacity. With millisecond-level grid-tie/off-grid switching capability, the off-grid mode supports 2x power output for 10 seconds. Its integrated solar-storage-charging logic delivers greater economic benefits for users.



High Performance

- Supports 200% PV oversizing with 210 mm modules for maximum solar yield.
- Low PV start voltage enables earlier, more efficient generation.
- Up to 13.8 kW PV input, supporting 200% of rated capacity.
- Smart CT metering for cost-efficient, fast installation.
- Ultra-quiet <35 dB for a seamless, silent home experience.

High Reliability

- Supports 200% overload for 10 seconds under peak demand.
- IP66 protection ensures reliable operation in humid conditions.
- Built-in battery heating maintains performance in extreme cold.

Intelligent Control

- Seamless switching <10 ms for uninterrupted backup.
- 7×24 scheduling with six periods maximizes energy savings.
- Integrated PV & storage with ECO mode for cleaner, cheaper electricity.
- Smart heat pump control uses surplus PV energy for green heating.

Flexible Expansion

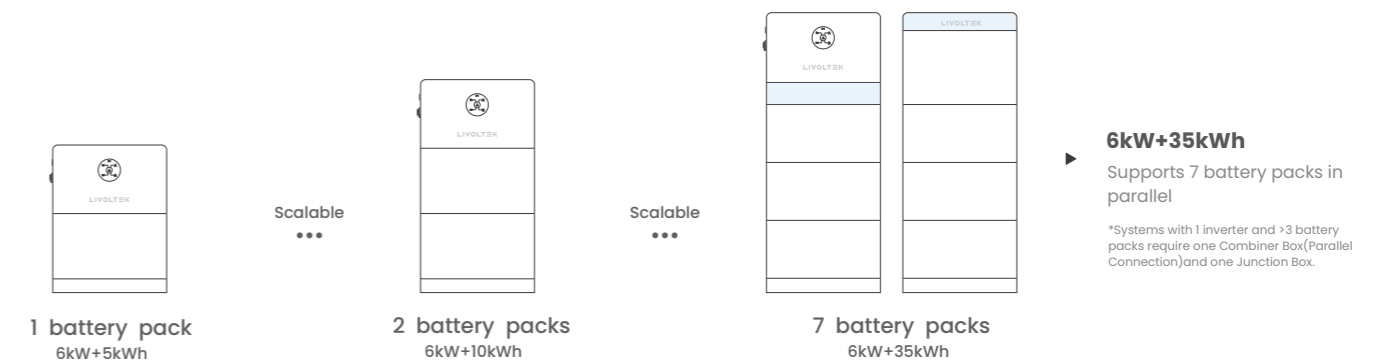
- Plug-and-play design enables fast installation.
- Expandable battery capacity up to 35 kWh per unit.
- Up to 2 units in parallel, delivering 12 kW output and 70 kWh storage.

PRODUCT STRUCTURE

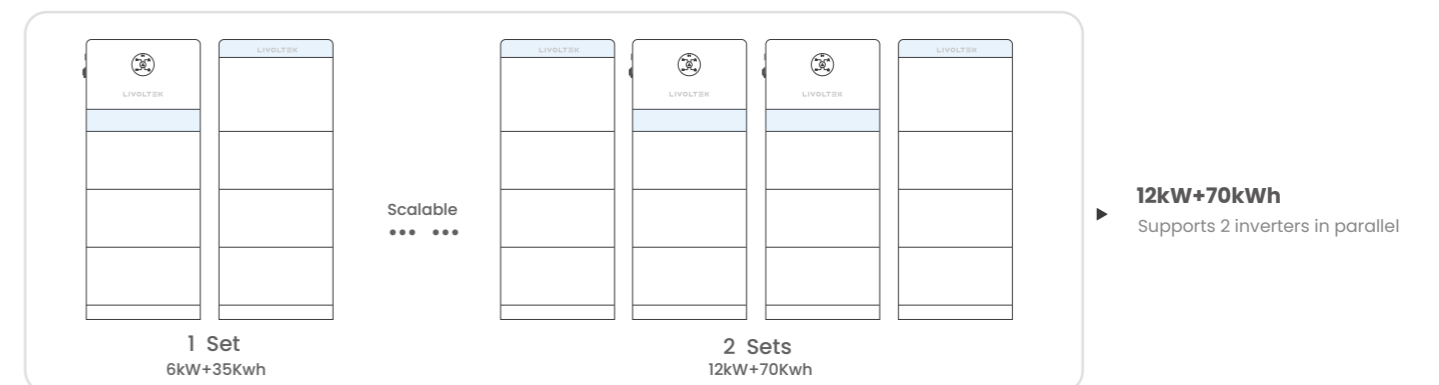


TYPICAL APPLICATION SCENARIOS

One HES1-3-6K can support up to 7 BHF-SR battery packs in parallel



Up to 2 HES1-3-6K can be connected in parallel



*Note: Parallel Operation (Coming Soon): This feature is currently in development and will be released soon.