

Intelligent ESS All-In-One

iDrawers



Integrated design

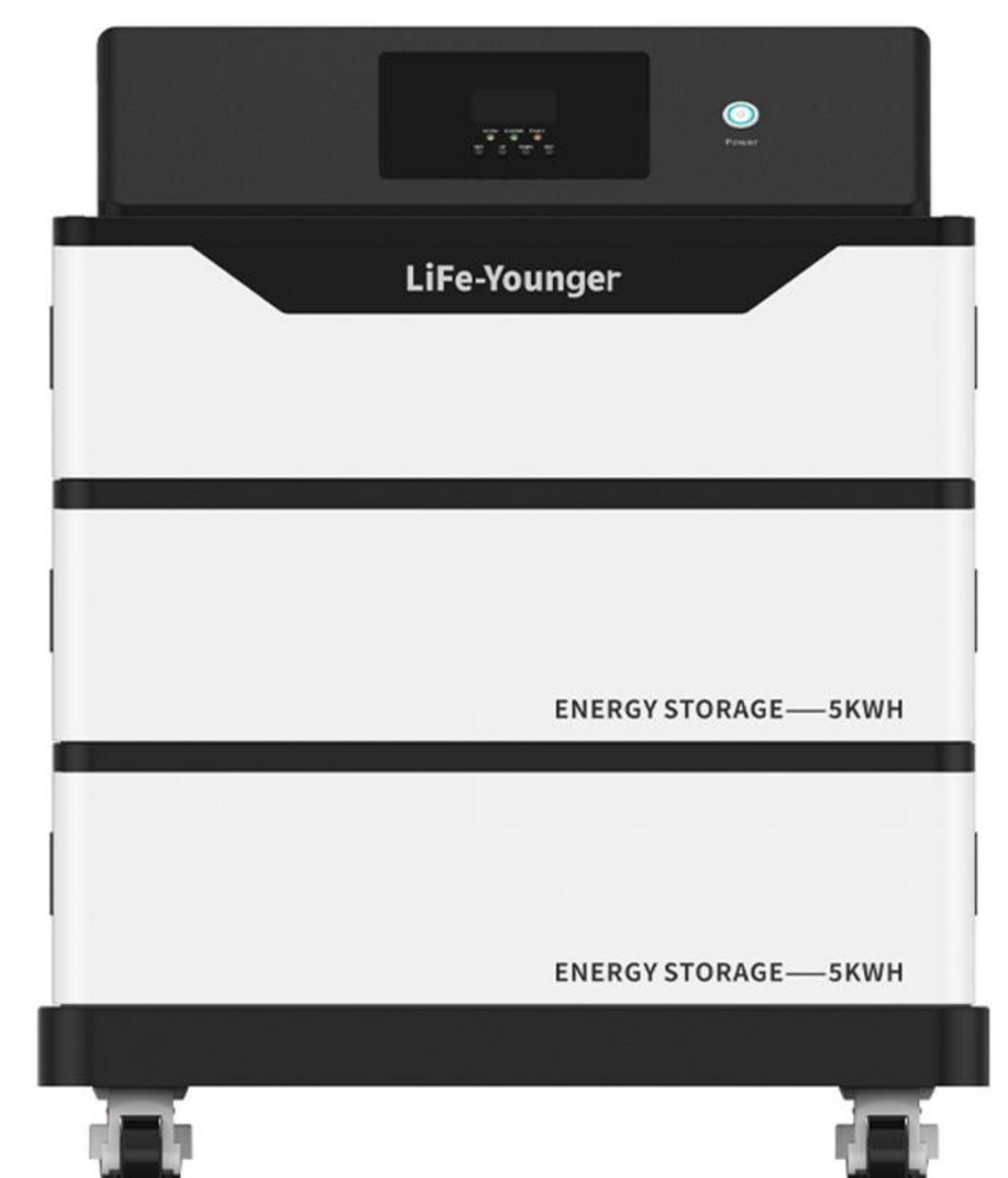
- Home style, fashionable appearance.
- Plug and play interface, quick installation.
- Stackable battery packs, flexible capacity extension.

High performance battery

- LiFePO4 prismatic cell, safe and reliable.
- 5kWh per pack, scalable to more packs .
- 24 hours backup to ensure power supply without outage.

Energy savings & Eco-friendly

- Clean energy generation for self-use and reduce carbon emissions.
- APP monitoring, manage and control household energy in real-time.
- Charging at low valleys and discharging at peak times reduces electricity costs.



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5kW Low-voltage Household Energy Storage System

Category	Item	Technical Parameters
PACK Parameters	Nominal Energy	5.12kWh*2 Pack (10.24kWh)
	Composed Type	2P16S
	System Voltage Rating	51.2V
	Working Voltage	43.2V~57.6V
	Charging/Discharge Current	Charge Current ≤80A (System default 60A) /Can be set
	Charge Limited Current	≤20A (PACK Limited Current Setting)
	Working Temperature	Discharge: -10°C~55°C Charge: 0°C~55°C Optimal Working Temperature: 10°C~35°C
	3.3I10 Discharge Capacity (25°C)	≥0.95Ce (Ce is the measured benchmark capacity of 0.1C)
	Cycle Life	≥5000 Times @0.5C/0.5C
PV Input Parameters	MPPT Voltage Range	120-450Vdc
	Max PV Current	≤16A
	Max PV input power	5200W
AC Input Parameters	Voltage	230Vac
	Frequency	50Hz ± 0.3Hz/60Hz ± 0.3Hz
	Current	40A
Output Parameters	Voltage	230Vac/Can be set
	Frequency	50Hz ± 0.3Hz/Alternative
	Rated Power	5kW
Other Parameters	Capacity Preserve Rate	≥95%/25°C (Standby for one month)
	System Working Mode	Off-grid (Does not feed power to the grid)
	Insulation Performance	≤10MΩ
	Weight	≤120Kg
	Max Dimensions (L*W*H)	650*520*820 mm

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