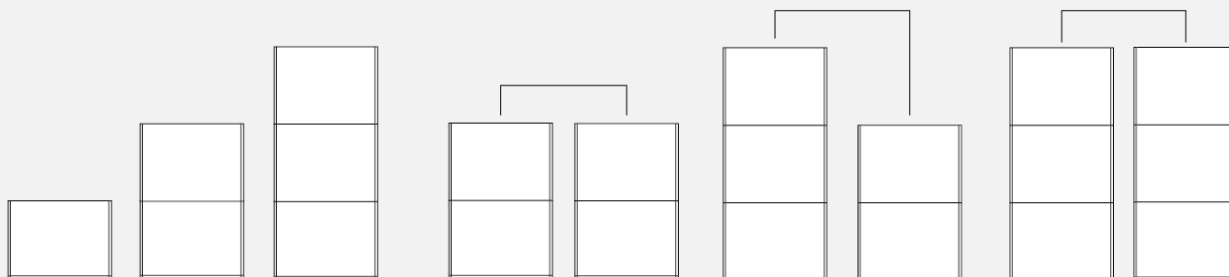


## Residential Battery System

>> UP-Home-(5-30)-HV



### Flexible

- ▶ Flexible capacity options, 5kWh to 30kWh
- ▶ Battery modules can be connected in series or in parallel
- ▶ Compatible with household single-phase and three-phase inverters or PV-hybrid

### Safe and Reliable

- ▶ Excellent safety of cobalt free LiFePO4 battery
- ▶ Natural convection design without external fans
- ▶ Long lifespan, 10 years warranty
- ▶ IP65 Protection

### Intelligent

- ▶ Remote software upgrade
- ▶ BMS real-time monitoring and protection

### Simple

- ▶ Easy installation with modular and stacked design
- ▶ Convenient maintenance

### Model:

UP-Home-5      UP-Home-10-HV    UP-Home-15-HV  
 UP- Home-20-HV    UP- Home-25-HV    UP- Home-30-HV

## UP-Home-(5-30)-HV Datasheet

Model Name	UP-Home-5	UP-Home-10-HV	UP-Home-15-HV	UP-Home-20-HV	UP-Home-25-HV	UP-Home-30-HV
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### Electrical

Energy Capacity	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Battery type	LFP (LiFePO4)					
Depth of Discharge (DoD)	90%					
Series rated voltage	51.2V	102.4V	153.6V	204.8V	256V	307.2V
Series voltage range	44.8V-57.6V	89.6V-115.2V	134.4V-172.8V	179.2V-230.4V	224V-288V	268.8V-345.6V
Internal Resistance	≤20 mΩ					
Number of cycles	≥4000cycles (25°C ± 2°C, 0.5C, Capacity Retention ≥ 80%)					

### Operation

Max. Battery module Charge Current	50A(0.5C)					
Max. Battery module Discharge Current	80A (0.8C)					
Operating temperature range	0° C~+55° C (Charging)/ -20° C~+55° C (DisCharging)					
Storage temperature range	-30C~+60C					
Humidity	5% ~ 95%					

### BMS

Modules Connection	Max. 6 battery modules in series					
Power Consumption	<2 W					
Monitoring Parameters	System voltage, current, cell voltage, cell temperature, PCBA temperature measurement					
Communication	CAN and RS485 compatible					
Ventilation type	Passive and Active Cooling					

### Physical

Weight	Num*60kg (Subject to actual weight)					
Pack Dimension (W*H*D)	540mm*490mm*240mm					
IP Protection	IP65					
Warranty	5 Year Product Warranty, 10 Year Performance Warranty					

### Certificate

Safety(Cell)	IEC 62619、UL 1973、UN 38.3					
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