

S40K

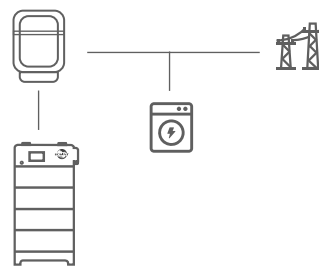
Modular ESS

Ultra Series is a low voltage battery system acquired flexible modular design with no extra cables, which provides optimized safety, life span and performance. They are perfect batteries for all applications. Each set of Ultra Series contains up to 8 battery module in parallel connection and achieves usable capacity between 10.24 to 40.96 kWh.

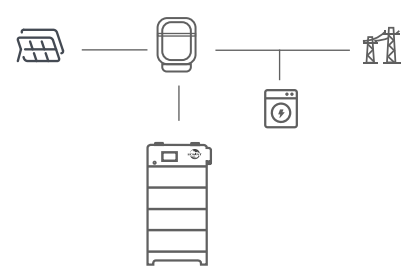


System Layout

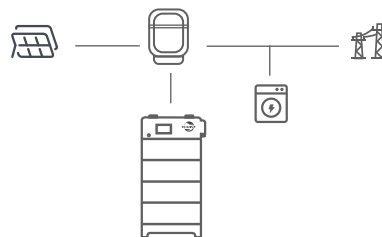
- ✓ Modular Design
- ✓ Easy Installation
- ✓ Extreme Safety
- ✓ Data Visualization
- ✓ Superb load capacity
- ✓ Excellent Scalability
- ✓ Good Controllability
- ✓ Cloud Service



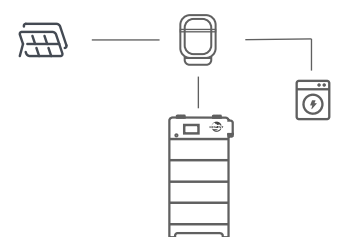
Peak Shaving



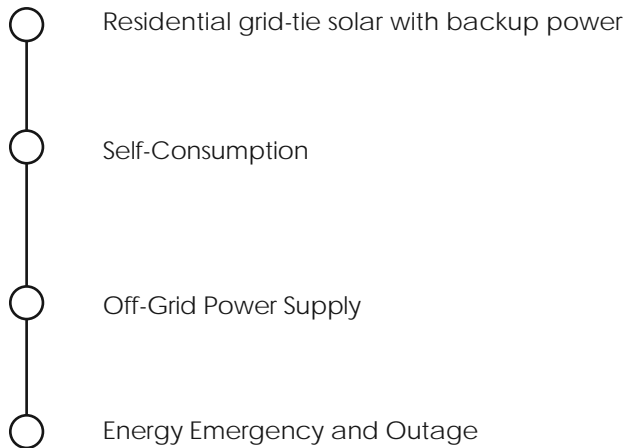
Self-Consumption



Energy Surplus



Energy Outage



System Characteristic

BESS Compliances	TUV (IEC62619) / UN38.3 / MSDS
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Enclosure	IP55
Warranty	5 Years + 5 Years

BESS Specifications

Module Type	C-UM05-L01				
Main Control Module	C-Ultra-MC300T1				
Module Amount	2	3	4	5	6
Nominal Energy(kWh)	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh
Nominal Voltage	51.2 V				
Operating Voltage Range	47~56.8V				

General Parameters

Scalability	Maximum 15 Systems in Parallel
Dimension (W*T*H mm)	635*268*1302 mm @4modules
Net Weight (Approximate)	20.48kg
Operating Temperature	Discharge:-20°C ~ 50°C/-4°F ~ 122°F Charge:0°C ~ 50°C/32°F ~ 122°F
Storage Conditions	-20°C ~ 55°C/-4°F ~ 131°F(0°C ~ 35°C/32°F ~ 95°F Recommended) Up to 90%RH, non-condensing, Initial SoC: 50%
Cooling	Natural Cooling
Max. Altitude	3000m (9843ft)
Service Life	6000 times
Communication Method	CAN/RS485