

# S40K

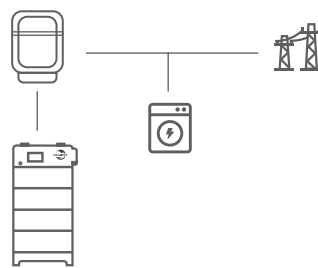
## Modular ESS

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

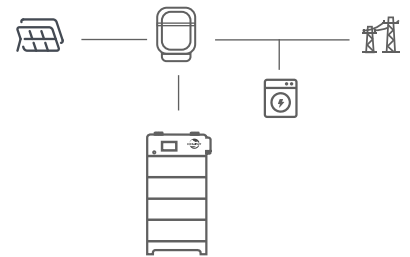


- ✓ Modular Design
- ✓ Easy Installation
- ✓ Extreme Safety
- ✓ Data Visualization
- ✓ Superb Load Capacity
- ✓ Excellent Scalability
- ✓ Good Controllability
- ✓ Cloud Service

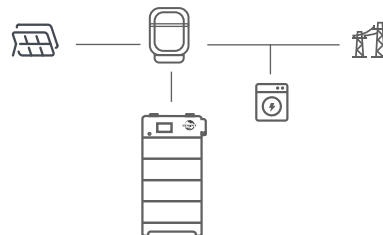
## System Layout



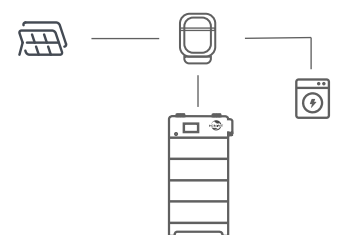
Peak Shaving



Self-Consumption



Energy Surplus



Energy Outage

- Residential Grid-tie Solar with Backup Power
- Self-Consumption
- Off-Grid Power Supply
- Energy Emergency and Outage



## System Characteristics

BESS Compliances	IEC62619 / UN38.3 / MSDS/ UKCA/CE/UL1973
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Enclosure	IP55
Warranty	5 Years + 5 Years

## BESS Specifications

Battery 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*H*D mm)	635*1302*268 mm @4modules
Net Weight (Approximate)	20.48kg
Operating Temperature	Discharging: -20°C ~ 50°C / -4°F ~ 122°F Charging: 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	2000m (6561ft)
Service Life	6000 times
Communication Method	CAN/RS485