

S40K

Modular ESS

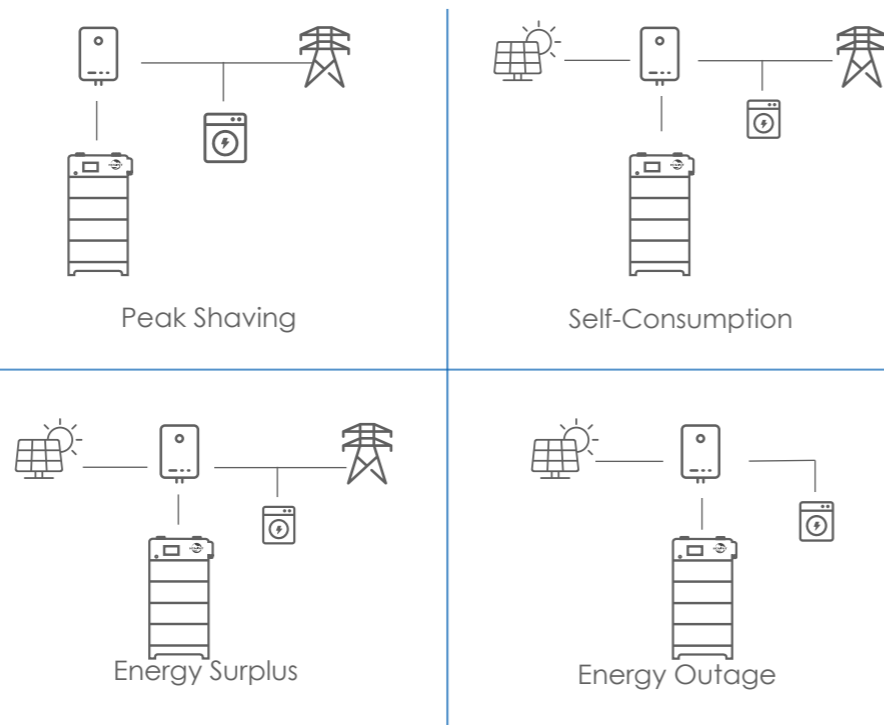
S40K Series is a low-voltage battery system acquired flexible modular design with no extra cables, which provides optimized safety, long life span and stable performance. They are perfect batteries for all applications. Each set contains up to 6 battery modules in parallel connection and achieves usable capacity between 10.24 to 30.72 kWh.

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

Your Green Energy Manufacturer



System Layout



Product Specifications

www.kowint.com
info@kowint.com

- 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	10 Years

BESS Specifications

Battery Module Type	C-UM05-L01				
Main Control Module	CM300-S40K				
Module Amount	2	3	4	5	6
Nominal Energy	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 30 Systems in Parallel				
Dimension (W*H*D)	635*1302*268 mm @4modules				
Max. Operating Current	180A	270A	300A	300A	300A
Module Amount	1+2	1+3	1+4	1+5	1+6
Net Weight (Approximate)	117.06kg	160.3kg	203.54kg	246.78kg	290.02kg
Operating Temperature	Discharging:-20°C ~ 50°C Charging:0°C ~ 50°C				
Storage Conditions	-20°C ~ 55°C/ (0°C ~ 35°C Recommended) Up to 95 %RH, non-condensing, Initial SoC: 50%				
Cooling	Natural Cooling				
Max. Altitude	2000m (6561ft)				
Cycle Life	6000 times				
Communication Method	CAN, RS485, WiFi				

Power Matrix

HV BESS

Unleash the power of the Power Matrix, a high-voltage battery storage system designed for simplicity. With stackable modules operating at up to 102.4V, create a robust system reaching 512V and 25.6 kWh. Easy to install, maintain, and replace, it's energy control made convenient. Experience efficiency, flexibility, and innovation.

- ✓ Modular Design
- ✓ Easy Installation
- ✓ Extreme Safety
- ✓ Data Visualization
- ✓ Versatile Application
- ✓ High Voltage Capability
- ✓ High Performance
- ✓ Cloud Service

Your Green Energy Manufacturer



Product Specifications

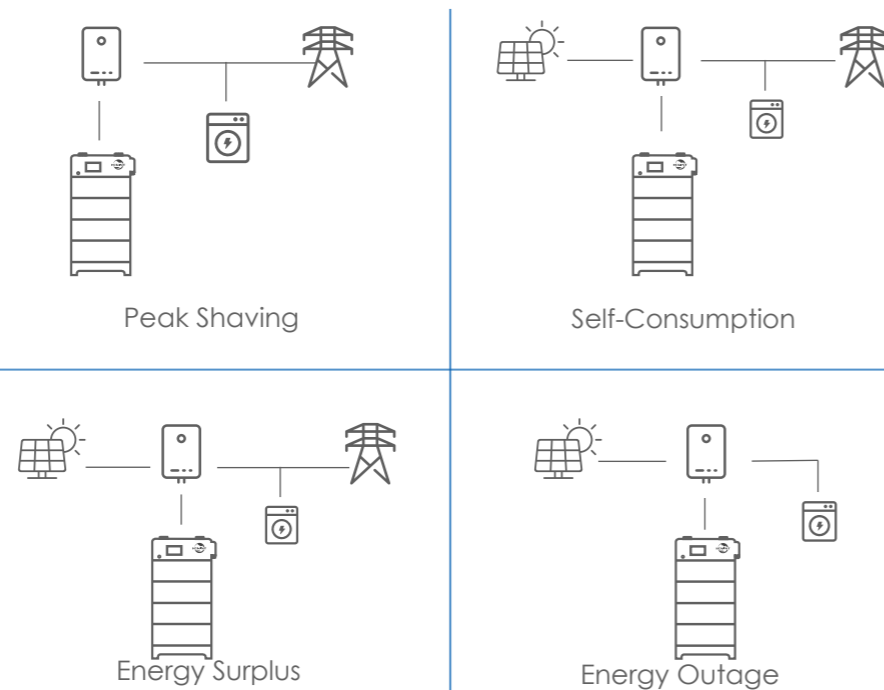
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System Characteristics	
BESS Compliances	IEC62619 / UN38.3 / MSDS / UKCA/CE/UL1973/CE
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
Ingress Protection	IP55
Warranty	10 Years

System Layout



BESS Specifications					
Battery Module	1P32S				
Cell Capacity	50Ah				
Module Amount	2	3	4	5	
Nominal Energy	10.24 kWh	15.36 kWh	20.48 kWh	25.6 kWh	
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V	
Nominal Power	9.83 kW	14.57 kW	19.66 kW	24.58 kW	
Operating Voltage Range	172.8-233.6 V	259.2-350.4 V	345.6-467.2 V	432-584 V	
Max. Continuous Current	48 A				
Max. Current	≤ 75A @5 S				

General Parameters					
Dimension (H*W*D)	895*678*268 mm	1147*678*268 mm	1400*678*268 mm	1635*678*268 mm	
Net Weight	152kg	203kg	254kg	305kg	
Operating Temperature	-20°C ~ 50°C				
Operating Humidity	Up to 92 % non-condensing				
Altitude	2000m (6561ft)				
Cycle Life	6000 times				
Communication Method	CAN, RS485, WiFi				