



POWER MATRIX

LV SINGLE PHASE STACK ESS



HIGH PERFORMANCE

- Over 8,000 life cycles
- Each cluster is up to 30.72kWh (6 battery modules)
maximum 15 clusters in parallel to get 460.9kWh



SAFE & RELIABLE

- IP65 design, available for indoor & outdoor use



SMART MANAGEMENT

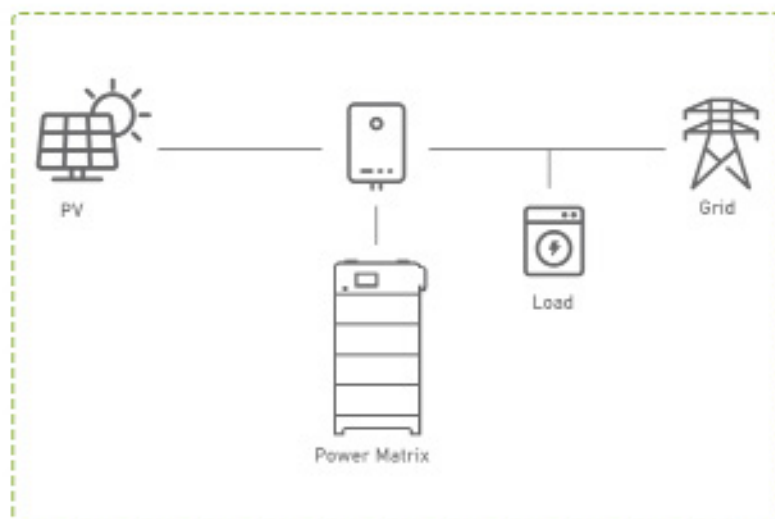
- Display screen allows for real-time monitoring
- Cloud platform / App remote monitoring



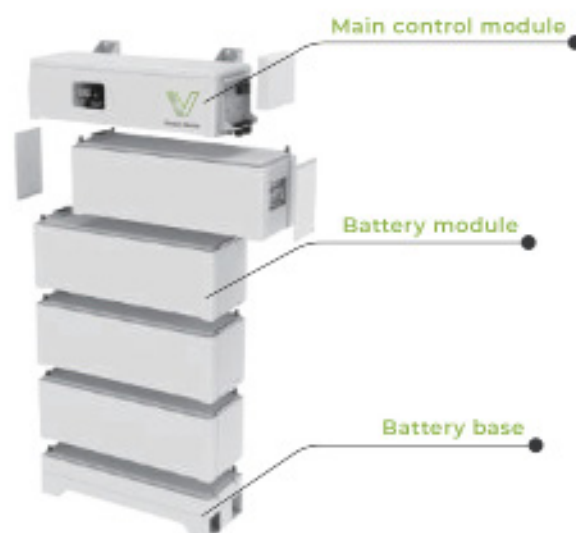
EASY INSTALLATION

- Modular design for ease of expansion

SYSTEM LAYOUT



SYSTEM DEMONSTRATION





PRODUCT SPECIFICATIONS

SYSTEM CHARACTERISTICS

BESS Compliances	UL9540 / 9540A / IEC62619 / UN38.3 / MSDS / UKCA / CE / UL1973
Installation Method	Stack Mounting
Installation Environment	Indoor or Outdoor
Enclosure	IP65
Warranty (Years)	10

BESS SPECIFICATIONS

Battery Module	C-UM05-L01				
Main Control Module	CM300-S40K				
Module Amount	2	3	4	5	6
Nominal Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Max Operating Current (A)	190	285	300	300	300
Module Amount Max	1+2	1+3	1+4	1+5	1+6
Nominal Voltage (V)	51.2				
Operating Voltage Range	43.2 ~ 58.4				

GENERAL PARAMETERS

Scalability	Maximum 15 Systems in Parallel				
Dimension (W*D*H) (mm)	645*268*869	645*268*1106	645*268*1343	645*268*1580	645*268*1817
Net Weight (kg)	132.5	183.5	234.5	285.5	336.5
Operating Temperature (C°)	Discharging: -20 ~ 50, Charging: 0 ~ 50				
Storage Conditions	-20 ~ 55°C / [0 ~ 35°C Recommended], Up to 95% RH, non-condensing, Initial SoC: 50%				
Cooling	Natural Cooling				
Maximum Altitude	2000m / 6561ft				
Cycle Life	Over 8,000 times at 25°C				
Communication Method	CAN, RS485, WiFi				