

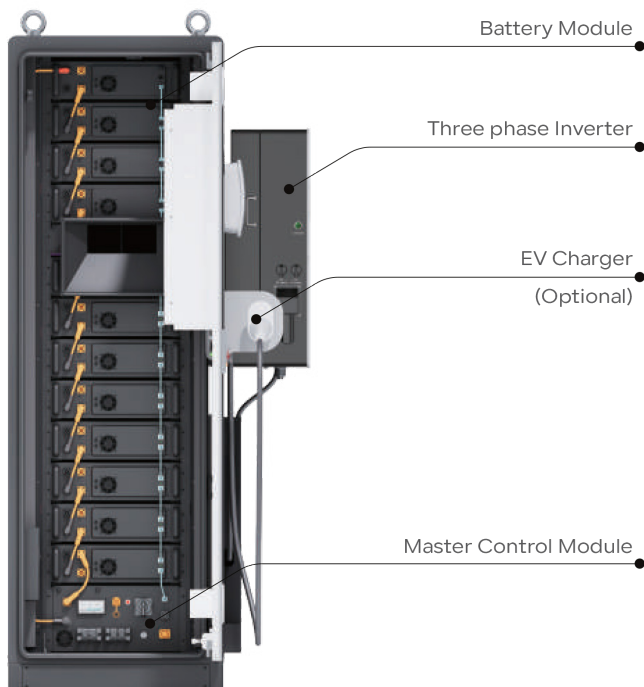
EV Cube 60AP

60kWh Air-Cooling Battery

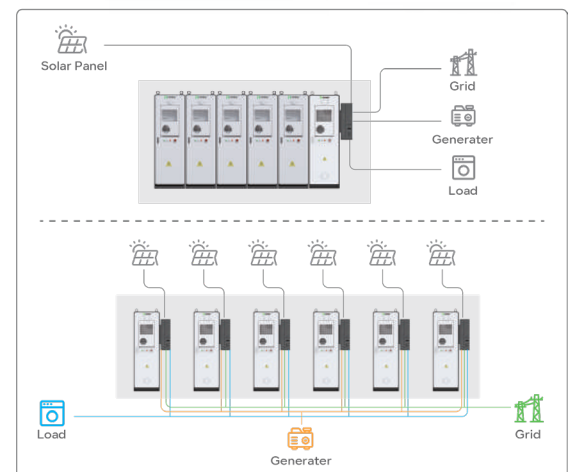


The ultimate commercial and industrial energy storage solution with optimized temperature control, high-rate energy cycling, comprehensive fire and gas safety detection, and advanced integrated power management technologies.

System Demonstration



System Layout



Application Scenario



Dependable Safety

Rigorous Safety Protocols for Enhanced Protection



Highly Integrated

Comprehensive Solutions for Seamless Operations



Intelligent Operation and Maintenance

Smart Monitoring for Optimal System Performance



Efficient and Flexible

Adaptable Solutions for Various Energy Needs



Long Life Cycle

Durable Design for Extended Product Longevity

EV Cube 60AP

60kWh Air-Cooling Battery



Energy Storage System	Optional 1	Optional 2
Cell Chemistry	LiFePO4	LiFePO4
Module Energy (kWh)	5.12	5.12
Module Nominal Voltage (V)	51.2	51.2
Module Capacity (Ah)	100	100
Battery Module Combination	6S2P	12S1P
System Nominal Voltage (V)	307.2	614.4
System Operating Voltage (V)	281.25~340.8	562.5~681.6
System Energy (kWh)	61.44	61.44
Charge Current (A)	95	95
Discharge Current (A)	100	100

PV Input	Optional 1	Optional 2
Max. Allowed PV Power (STC)(kW)	39	78
MPPT Voltage Range(V)	150~500V	150~850
Startup Voltage(V)	180	180
Max. Input Voltage 1(V)	550	1000
Max. operating input current per MPPT(A)	36	36
Max. short circuit current per MPPT(A)	55	55
No. of MPP Trackers	4	4
No. of PV Strings per MPPT	2	2
Max. AC Coupled Input(kW)	30	60

PV Input		
Charging Type	Charging Mode 3 Case c, level 2	
Outlet options	AC Type 1 (SAEJ1772)	
Input/Output Current rating(A)	32 / 48 / 80	
Input/Output Power rating(kW)	7.7 / 11.5 / 19.2@240VAC	
Input/ouput voltage(VAC)	208~240	
Input Frequency(Hz)	50/60	
Cable Length	16 feet, Optional: 25 feet	
Distribution Systems	Single phase, split-phase	
Connector Type	L1 + L2 + PE	
Certifications	UL2594, UL2231-1, UL2231-2, UL1998 UL991FCC Part 15 ClasS B, ENERGY STAR	

AC Output (EPS)	Optional 1	Optional 2
Nominal AC Voltage(3Φ)(V)	120/208	277/480
Grid Frequency(Hz)	50 / 60	50/60
Real Power, max continuous(3Φ)(kW)	30	60
Max. Output Current(A)	83.4	72.3
Peak Apparent Power (10s, off-grid, 3Φ)(kVA)	45	90
Max. Grid Passthrough Current (10min)(A)	200	200
Continuous Grid Passthrough Current(A)	180	180
Power Factor Output Range	±0.8 adjustable	
Backup Transfer Time	5ms (adjustable)	
CEC Efficiency	96.5%	
Max Efficiency	97.5%	
Design (DC to AC)	Transformerless DC	
Stackable	Up to 10 in parallel	

PV Input	
Product Model(Optional 1)	R-EC060030A1-US
Product Model(Optional 2)	R-EC060060A1-US
Dimension (W*D*H)	750*950*2280mm / 29.5*37.4*89.7in
Weight Approximate	1050kg / 2314.8lb
Working Temperature	-20~55°C
Communication Interface	CAN, RS485, Wi-Fi, LTE
Humidity	5%~85%RH
Altitude	≤2000m
IP Rating	IP55
Storage Temperature	-20~35°C
Recommend Depth of Discharge	90%
Cycle Life	>8000 cycles
Warranty	3 years free, paid from the 4th to the 15th year
Certification(Battery)	UL1973U, L9540A UL 1741-2021 (incl UL1741SB) IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0), UL1699B
Certification(Inverter)	UL 1741-2021 (UL1741SB) CSA C22.2 No 107.1-16, IEEE 1547-2018 & 1547a-2020 & 1547.1-2020 (SRD V2.0) UL 1741 CRD-PCS, UL1699B, CEC, SGIP 4