

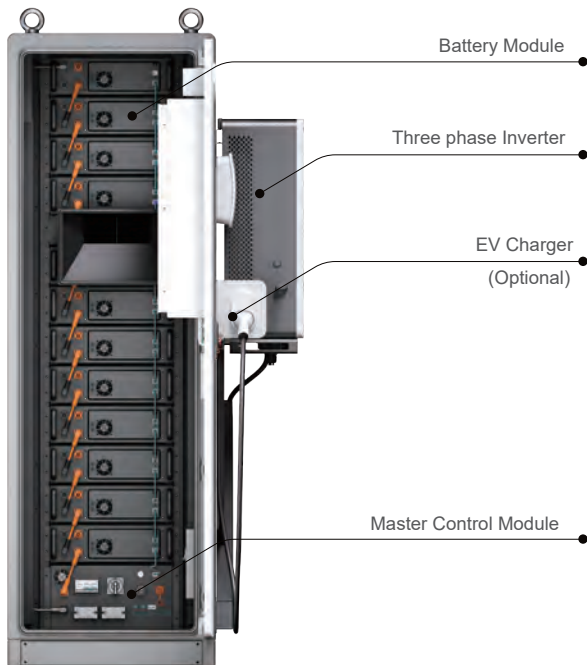
eCube 60AP

30kW/60kW 60kWh Air-Cooled ESS

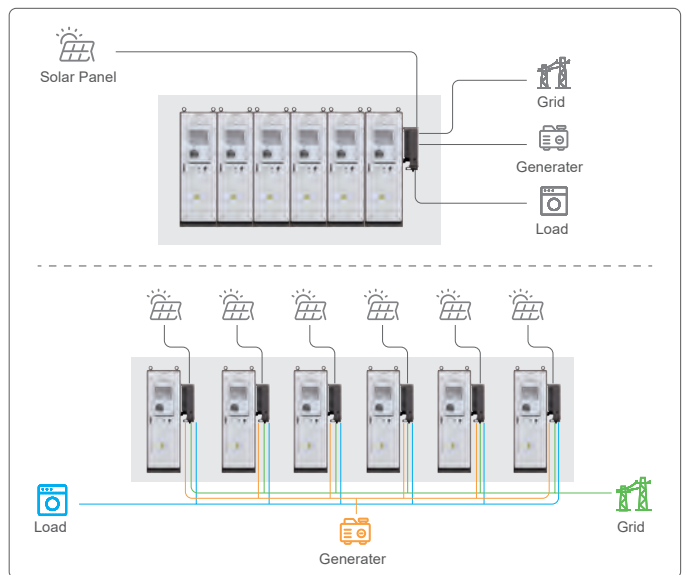
The ultimate commercial and industrial energy storage solution with optimized temperature control, high-rate energy cycling, comprehensive fire and gas safety detection, and advanced integrated power management technologies.



System Demonstration



Parallel/Series System Layout



Application Scenarios



LIGHT DUTY MANUFACTURING



COMMERCIAL AND INDUSTRIAL



RETAIL

Battery Energy Storage	30/60AP	60/60AP
Cell Chemistry	LiFePO4	LiFePO4
Module Energy (kWh) Module	5.12	5.12
Nominal Voltage (V) Module	51.2	51.2
Capacity (Ah) Battery Module	100	100
Combination System Nominal	6S2P	12S1P
Voltage (V) System Operating	307.2	614.4
Voltage (V) System Energy	281.25~340.8	562.5~681.6
(kWh) Charge/Discharge	61.44	61.44
Current (A)	100	100

PV Input	30/60AP	60/60AP
Max. Power(kW)	45	90
Max. Voltage(V)	550	1100
Start-up Voltage(V) Rated	80	200
Voltage(V) MPPT Voltage	360	730
Range(V) Number of MPP	80-520	200-1000
Trackers Max. PV Input	4	4
Current(A)	40/40/40/40	40/40/40/40

Charging System(Optional)

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/output voltage(VAC) Input	208~240
Frequency(Hz)	50/60
Cable Length	16 feet, Optional: 25 feet
Distribution Systems Connection	Single phase, split-phase
Certifications	L1 + L2 + PE

UL2594, UL2231-1, UL2231-2, UL1998
UL991FCC Part 15 ClasS B, ENERGY STAR

AC Output (EPS)	30/60AP	60/60AP
Max. Output Power(kW)	33	66
Peak Output Power, Time(kVA,s)	45, 7s	120, 7s
Rated Voltage(V)	120/208	277/480
THDv(@Rated Power)	<3%	<3%
Switch Time(ms)	<10	<10

AC Output(On-Grid)	30/60AP	60/60AP
Rated Output Power(kW)	30	60
Max. Output Power(kVA)	33	66
Max. Output Current(A)	91.6	79.4
Rated Voltage(V)	120/208	277/480
Rated Frequency(Hz)	50/60	50/60
THDi(@Rated Power)	< 3%	< 3%
Power Factor	0.8 leading~0.8 lagging	

General Parameters

Dimension (W*D*H)	750*950*2280mm / 29x37x90in
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
UL1973, UL9540A, UN38.3, IEC62619
UL 1741-2021 (incl UL1741SB), CSA C22.2, No
107.1-16 IEEE 1547-2018 & 1547a-2020 &
1547.1-2020 (SRD V2.0), UL1699B

Packaging & Shipping Details

