

COMMERCIAL & INDUSTRIAL ENERGY STORAGE SOLUTION



60KWH AIR-COOLING BATTERY

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At Spitzer Energy, we are committed to providing innovative, reliable, and cost-effective energy storage solutions to customers worldwide. We believe that sustainable energy is the key to the future, and we are passionate about reducing carbon emissions and protecting the planet for future generations. That's why we prioritize extensive research and development, utilizing cutting-edge technologies to create energy storage systems that are efficient, scalable, and adaptable.

Our products are designed to cater to a variety of needs, from residential and commercial buildings to industrial facilities and large-scale utility projects. Whether you're aiming to cut energy costs, boost your energy independence, or achieve sustainability goals, Spitzer Energy has the perfect solution for you.

Our unwavering commitment to quality and customer satisfaction drives us to work closely with clients to understand their specific requirements, delivering tailored solutions that exceed expectations. Additionally, we offer comprehensive technical support, maintenance, and warranty services to ensure our customers get the most out of their investment.



Technical Specifications

Spitzer Energy Commercial & Industrial t Storage Solution

Battery Energy Storage	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

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)	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	

General Parameters

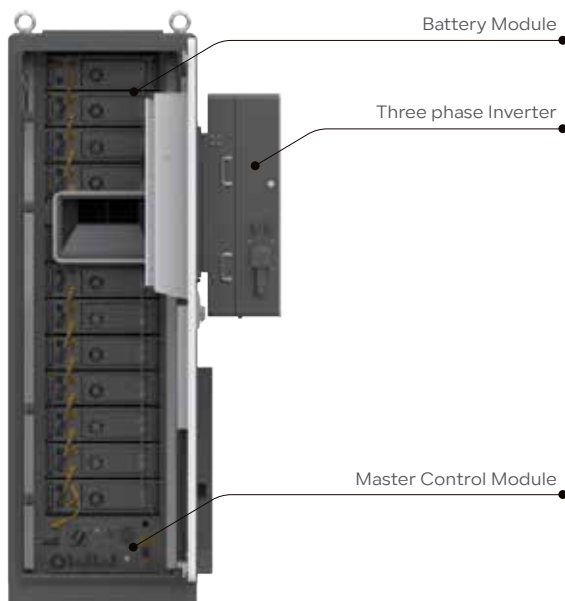
Product Model(Optional 1)	R-EC060030A1-US
Product Model(Optional 2)	R-EC060060A1-US
Dimension (W*D*H)	750*950*2280mm / 29.5*37.4*89.7in
Weight Approximate	1050kg / 2314.8lb
Working Temperature	-20~55°C
Communication Interface	CAN, RS485, Wi-Fi, LTE
Humidity	5%~85%RH
Altitude	≤2000m
IP Rating	IP55
Storage 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

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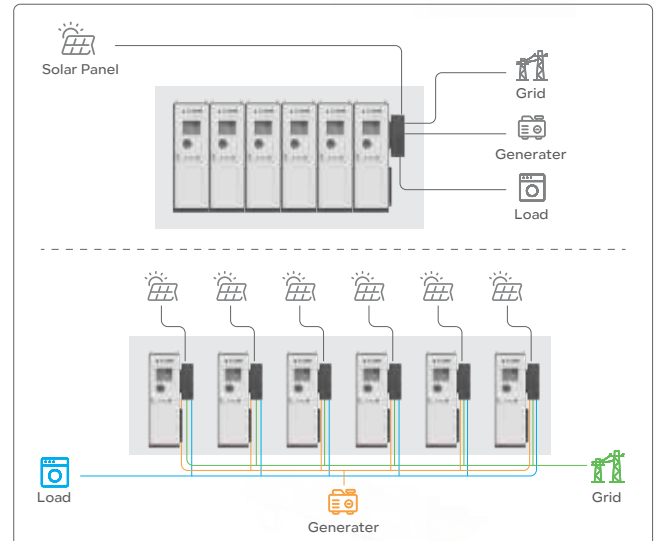
The leading energy storage solution for commercial and industrial applications, featuring optimized temperature control, high-rate energy cycling, robust fire and gas safety detection, and advanced integrated power management technologies.



System Demonstration



System Layout



Application Scenario



MANUFACTORY



OFFICE SPACE



SUPERMARKET & KIOSK