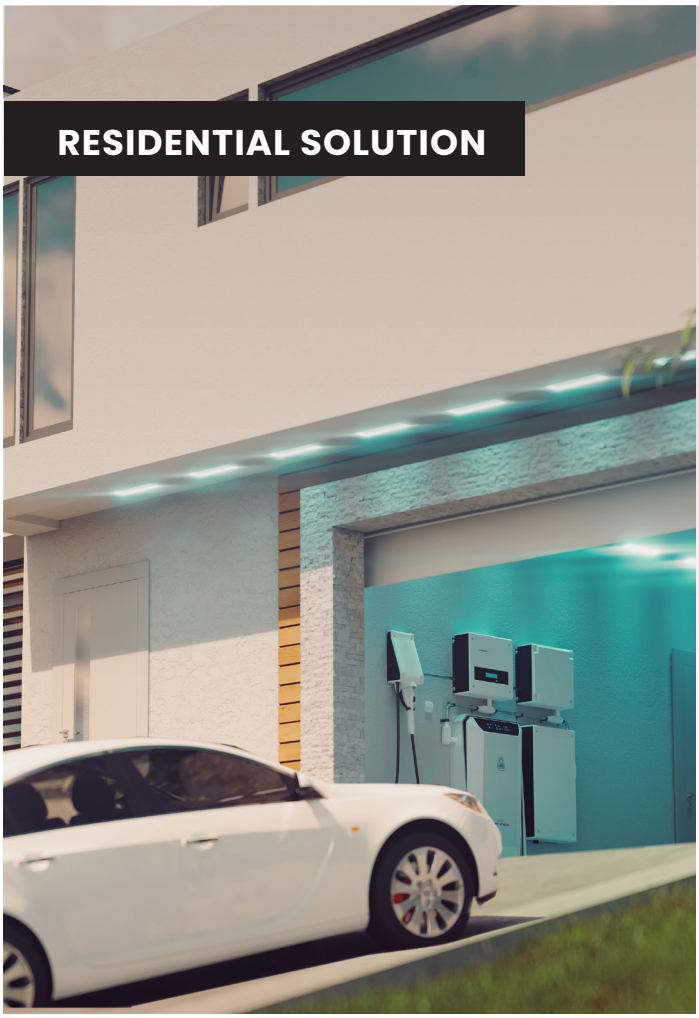
Spitzer ENERGY

Empowering Your Solar Solutions



Modular HV Battery System

RESIDENTIAL ENERGY STORAGE SOLUTION

Enhanced Efficiency and Scalability: The voltage range of 367.2~496.4V reduces transmission losses, and its modular design supports stacking of 2 to 6 modules, ensuring high operational reliability with dynamic current equalizing techniques.

Advanced Smart Management: Features such as one key start, built-in battery optimizer, and wireless design with Wi-Fi connectivity allow for easy activation, unified management, and real-time monitoring and fault pre-warning.

Superior Safety and Durability: With a built-in battery optimizer, up to 8000 cycle life, IP55 protection rating, and comprehensive certifications, the system ensures long-term stable operation and global safety compliance.

User-Friendly Integrated Solutions: The system supports seamless integration with various components and a 10 year warranty, enhancing user confidence and satisfaction.

Technical Specifications

Spitzer Energy Residential Storage Solution

Battery Energy Storage	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Battery Combination			1P16S		
Battery Modular Capacity (Ah)			100		
Nominal Energy (kWh)	10.24	15.36	20.48	25.6	30.72
Output Power (kW)	13	19.6	19.6	19.6	19.6
Default Voltage (V)			435.2		
Settable Voltage Range (V)			367.2~496.4		
Nominal Current (A)	25	37.5	37.5	37.5	37.5
Max. Current (A)@10S	30	45	45	45	45
Dimensions (W*D*H)	735*400*775.5mm 29*15.7*30.5in	735*400*911mm 29*15.7*35.8in	735*400*1046.5mm 29*15.7*41.2in	735*400*1317.5mm 29*15.7*51.8in	735*400*1453mm 29*15.7*57.2in
Total Weight	160kg 353lb	209kg 461lb	257kg 567lb	306kg 675lb	355kg 783lb

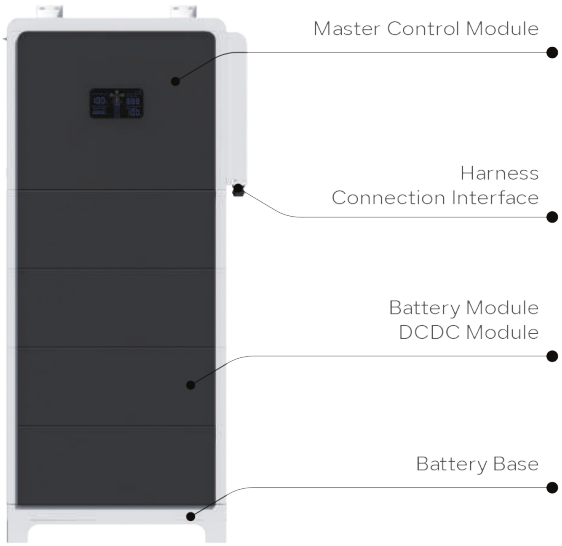
General Parameters	
Scalability	Max. 15 cluster in parallel
Storage Conditions	–20°C ~ 55°C(0°C ~ 35°C Recommended) Up to 90%RH, non-condensing Initial SoC: 50%
Operating Temperature	Charge: 0°C ~ 50°C Discharge: -20°C ~ 50°C
Cooling	Natural Cooling
Max. Altitude	2000m / 6561ft
Cycle Life	8000 Cycles
Communication	RS485, CAN, WiFi

System Characteristic	
Master Control Model	R-EM51100-XTL01
Battery Model	R-PDO15-XTH01
Installation Method	Stack Mounting
Installation Scene	Indoor or Outdoor
IP Rating	IP55
Warranty [1]	10 Years

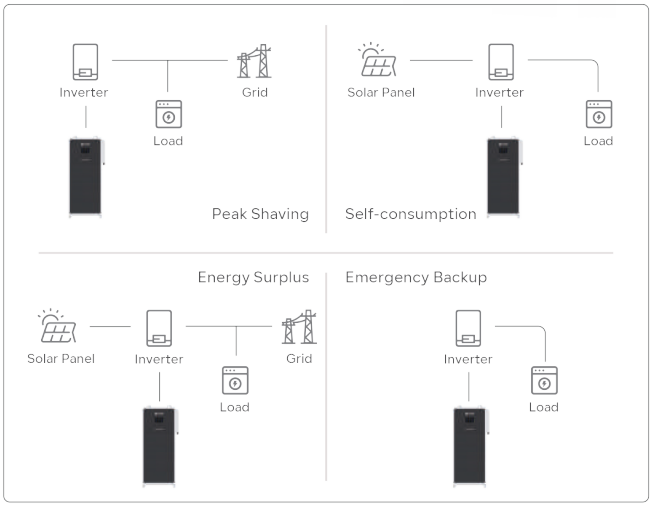
[1] Please refer to the warranty letter for details

4295 East Jurupa Street, Ontario, CA 91761
todd.morgan@spitzer-energy.com

Product Details



System Layout



Application Scenario