

risen

RisenStack Pro Modular Energy Storage System



Efficient Backup

Flexible for Multiple Scenarios
48~120kWh Single Device Capacity
60kW High Power



Ultimate Safety

PACK-Level Active Fault Isolation
Zero Voltage Output During Transport and Installation
PACK-Level Explosion Vent + Fire Suppression



Quick O&M

Modular Design
Rapid On-site Deployment
Array-based Thermal Management Solution



Multiple Intelligence

Risen Cloud
Pack-Level Active Balancing
Lossless mixing of old and new Packs



Technical Specification

System Model	SU48E24LM	SU60E30LM	SU72E36LM	SU84E42LM	SU96E48LM	SU108E54LM	SU120E60LM
Technical Information							
Rated Power	24kW	30kW	36kW	42kW	48kW	54kW	60kW
Rated Capacity	48kWh	60kWh	72kWh	84kWh	96kWh	108kWh	120kWh
Rated Voltage	400V						
Rated Current	34A	43A	52A	60A	69A	78AA	87A
Rated Frequency	50Hz						
Total Harmonic Distortion (THD)	<3%						
Connection Configuration	3P4L						
Unbalanced Load	100%						
Battery Information							
Rated Voltage	154V	192V	230V	269V	307V	346V	384V
Voltage Range	134~173V	168~216V	202~259V	235~302V	269~346V	302~389V	336~432V
Number of Battery Packs	4	5	6	7	8	9	10
Cell	LFP-314Ah						
C- Rate	0.5C						
System Information							
Weight	660kg	800kg	870kg	905kg	1080kg	1115kg	1290kg
Dimensions(W*D*H)	1.5*0.5*1.1m	1.5*0.5*1.4m	1.5*0.5*1.4m	1.5*0.5*1.6m	1.5*0.5*1.6m	1.5*0.5*1.9m	1.5*0.5*1.9m
Installation Environment	Outdoors						
Protection Level	IP55 System-level (IP65 Energy Block)						
Cooling Method	PWM Speed Regulation Intelligent Air Cooling						
Fire Extinguishing System	Aerosol						
Corrosion Resistance Level	C3						
Operating Temperature Range	-25~55°C (> 45°C Derating, <0°C No Charge)						
Maximum Operating Altitude	2000m						
Noise Level	≤75dB						
Communication Protocol	Modbus-TCP/Modbus-RTU						
Communication Interface	4G/LAN/RS485						
Standard	IEC61000 / IEC62619 / IEC62477 / IEC63056 / IEC60730 / UN38.3						

*Notes: All models in the series are equipped with a standard 60 kW Power Conversion System (PCS). During practical operation, the maximum power output is dynamically limited to 0.5P based on the energy storage capacity. The PCS can be unlocked to support higher power levels during future system expansion.

SYL(Ningbo)Battery Co.,Ltd.

📍 No. 8, Sansheng West Road, Ninghai, Ningbo, Zhejiang, China

✉️ essmkt@risen.com

☎️ +86-400-101-8585

🌐 www.risenstorage.com