

RM33-L Lithium Battery Series



10-60KVA Online Rack-mounted Product Parameters

Model RM33-	10-UNR-LI	20-UNR-LI	30-UNR-LI	40-UNR-LI	60-UNR-LI
Phase	3P in 3P out/3P in 1P out/1P in 1P out		3P in 3P out		
Capacity	10kVA/10kW	20kVA/20kW	30kVA/30kW	40kVA/40kW	60kVA/60kW
Parallel capability	4				
Input					
Rated voltage	3 * 3 8 0 V A C (3 相 + N + P E)				
Voltage range	190-520 VAC (3Ph) @ 50% load; 305-478 VAC (3-phase) @ 100% load				
Frequency range	46 ~ 54Hz or 56 ~ 64Hz				
Power factor	≥0.99@100%load				
Output					
Output voltage	3*360/380/400/415 VAC(3PH+N)				
Output accuracy (battery mode)	±1%				
Frequency range (sync)	46-54Hz or 56-64Hz				
Frequency range (battery mode)	50Hz±0.1Hz or 60Hz±0.1Hz				
Crest factor	3: (1max)				
THD	THD: ≤2% (linear load); ≤3% (non-linear load)				
Transfer	Utility → Battery	0			
	Inverter → Bypass	0			
Waveform (battery mode)	Pure sine wave				
Overload	Utility mode (AC)	100-110%60min, 110-125%10min, 125%-150%1min; >150%immediate protection			
	Battery mode	100-110%60min, 110-125%10min, 125%-150%1min; >150%immediate protection			
Efficiency					
Utility mode (AC)	95.5%				
ECO mode	98.5%				
Battery mode	94.5%				
Battery					
Battery type	Depends on application				
Quantity	16-20Adjustable	32-40Adjustable			
Charging current (max.)	1A - 12A(Adjustable)		1A-16A(Adjustable)		1A-18A(Adjustable)
Charging voltage	±13.65VDCx N(N=8-10)		±13.65 VDC*N±1%(N=16-20)		
Alarm					
Battery mode	Buzzer beeps once every 4 seconds				
Low battery	Buzzer beeps once every 1 second				
Overload	Buzzer beeps twice every 1 second				
Fault	Continuous buzzer				
Physical					
Dimensions (W×D×H) mm	680×438×133(3U)			797×438×176(4U)	
weight (kg)	26	28	30	32	45
Environment					
Operating temperature	0-40°C				
Relative humidity	0-95% RH (non-condensing)				
Noise (1 m in front)	≤62dB		≤65dB		≤65dB
Management					
RS-232/USB	Supports Windows 8 series, Linux, and Mac OS				
Optional SNMP	Power management via SNMP card and web browser				

*Note: When output voltage is set to 3 × 360 VAC, output capacity is derated to 90%.

Note: Specifications are subject to change without prior notice.

Product Introduction

The Lithium Battery RM33-LI Series is a power supply device featuring intelligence, high efficiency and flexible adaptability, designed for power demand in multiple scenarios. Its 10K-30K models are equipped with an automatically rotatable LCD screen, achieve high-performance output with a power factor of 1.0 relying on DSP technology, and adopt an ECO energy-saving mode to strike a balance between intelligent control and energy efficiency optimization. Supporting dual inputs, the equipment allows flexible adjustment of the number of batteries and shared battery packs, enables parallel operation of up to 4 units to meet long-time working requirements, and is compatible with generators to further expand application scenarios. Moreover, its three-stage charging design optimizes battery performance, the EPO emergency shutdown function ensures safety, and the equipped SNMP, USB and RS-232 communication interfaces facilitate operation, maintenance and expansion.

Application Scenarios

offices, government institutions, servers, schools and hospitals

Product Features

- | Auto-rotating LCD (10-30KVA only)
- | DSP control with PF 1.0 output
- | Power factor correction (PFC)
- | 50 Hz / 60 Hz converter mode
- | ECO energy-saving mode
- | EPO (Emergency Power Off)
- | Generator compatible
- | Dual AC input
- | 3-stage charging
- | Adjustable battery quantity
- | Shared battery bank supported
- | Optional isolation transformer
- | Up to 4 units in parallel operation
- | SNMP / USB / RS-232