

# RM33-H High Frequency Series



## 10-200KVA Product Parameters

Model RM33-	10K-H	20K-H	30K-H	40K-H	60K-H	80K-H	100K-H	120K-H	160K-H	180K-H	200K-H	
Parallel capability	4 units											
<b>Input</b>												
Input wiring	3Ph+N+PE		3Ph+N+PE									
Rated voltage	3×360/380/400/415 VAC(3Ph+N+PE)											
Voltage range	110-300 VAC @ 50% load; 176-276 VAC @ 100% load											
Frequency range	40-70Hz											
Power factor	0.99@100%load											
THDi	Linear load<4%											
<b>Output</b>												
Output voltage	3x360/380/400/415VAC (3Ph+N)											
Output accuracy (battery mode)	±1%											
Frequency range	Sync range	46-54Hzor56-64Hz										
	Battery mode	50/60Hz±1%										
Crest factor	3:1 (max)											
THD	2% (linear load); 5% (non-linear load)											
Transfer time	Utility → Battery	0ms										
	Inverter → Bypass	0ms										
Waveform	Pure sine wave											
Power factor	0.9	1										
Overload capability	100-110%60min,111-125%10min,126%-150%1min;>150%400ms											
<b>Bypass</b>												
Rated voltage	3x360/380/400/415VAC (3Ph+N)											
Voltage range	305VAC-457VAC											
Frequency range(Sync range)	46 ~ 54Hzor56 ~ 64Hz											
Overload capability	>130%1min											
<b>Efficiency</b>												
AC mode	95.5%											
ECO mode	98.5%											
Battery mode	94.5%											
<b>Battery</b>												
Long-run model	BatteryModel	Depends on application										
	Battery quantity	16-20cells		32-40cells								
	Max. charging current	4.0A±10%	1-12 A ±10%; preset: 1 A	1-18A ±10%; preset: 1 A	2-24A ±10%; preset: 2 A	2-36A ±10%; preset: 3A	3-54A±10%; preset: 3A					
	Charging voltage	13.65 VDC × battery quantity ±1%		±13.65VDC×N±1%(N = 16-20)								
<b>Physical</b>												
D×W×H (mm) model	D×W×H (mm)	592×250×576		815x300x1000			796X360X1010	1000X430X1200		1000X600X1200		
	Weight(kg)	38	40	64	68	108	124	200	200	265	265	265
<b>Environment</b>												
Operating temperature	0-40 °C (Battery life will be reduced when ambient temperature is > 25°C )											
Relative humidity	<95%RH (non-condensing)											
Altitude	< 1000m; Above 1,000 m, derate output power by 1% per 100 m											
Noise (1 m in front)	<60dB	<65dB		<65dB			<75dB					
<b>Management</b>												
Intelligent RS-232/USB; optional SNMP card												

Note:Specifications are subject to change without prior notice.

## Product Introduction

The RMS33-H Tower Series is a high-performance power protection solution. Incorporating advanced high-frequency technology and modern design principles, it provides stable and reliable power protection while delivering an excellent user experience. The 10-60 kVA models also adopt a rack-mount design for easier deployment and maintenance.

## Application Scenarios

It serves telecommunications, finance, education, transportation, broadcasting, healthcare, manufacturing and various other industries, providing safe, stable, reliable and eco-friendly power protection for critical loads.

## Product Features

- | True double-conversion technology
- | DSP technology ensures high performance
- | Full-phase active power factor correction (PFC)
- | 50/60 Hz frequency converter mode
- | ECO energy-saving mode
- | EPO (Emergency Power Off)
- | Generator compatible
- | Dual AC input
- | Parallel operation supported; shared battery bank supported
- | Three-stage charging design to optimize battery performance
- | Adjustable battery quantity
- | Standard maintenance bypass
- | Plug-and-play