

RM31-H High Frequency Series



10-30KVA Product Parameters

Model RM31-	10k-H	15k-H	20k-H	30k-H
Capacity	10KVA/8KW	15KVA/12KW	20KVA/16KW	30KVA/21KW
phase	3/1			
input				
Voltage range	phase voltage 110-300VAC , linevoltage:190-520VAC			
Rated voltage	3 x 380/400/415 VAC (3Ph+N)			
Frequency range	44-56Hz @50Hz/54Hz-66Hz @60Hz			
Power factor	0.99@100% load			
bypass voltage	(60%-120%)*220Vac Can be set through software			
Output				
Output voltage	220Vac			
Voltage regulation	±1%			
Frequency range	50Hz:(44-56)Hz , Follows; 60Hz:(54-66)Hz, Follows			
Frequency rangeBattery Mode	50 Hz±0.1Hz			
Crest factor	3:1(max)			
THD	≤3%THD(linear load); ≤5%THD(nonlinear load)			
Power factor	0.8		0.7	
Transfer time (Utility → Battery)	0ms			
Transfer time (Inverter → Bypass)	0ms			
Overload capability	Power supply: 102%<Load≤110% – switch to bypass mode and issue a warning after 30 minutes; 110%<Load≤130% – switch to bypass mode and issue a warning after 10 minutes; 130%<Load≤150% – switch to bypass mode and issue a warning after 60 seconds; Load>150% – switch to bypass mode and issue a warning after 300 milliseconds. Battery: 102%<Load≤110% – switch to bypass mode and issue a warning after 10 minutes; 110%<Load≤130% – switch to bypass mode and issue a warning after 1 minute; 130%<Load≤150% – switch to bypass mode and issue a warning after 10 seconds; Load>150% – switch to bypass mode and issue a warning after 300 milliseconds.			
Efficiency				
Overall efficiency	≥95.5%			
ECO Efficiency	≥98.5%			
Battery				
Long-run model	12V			
	16-20cells (Factory default: 16cells)		32cells	
	1-12A(Factory default: 5A)			
Physical				
Physical (L×W×H) mm	534*190*338			
WeightKG	17	17.2	17.4	18.9
Environment				
Operating temperature	0 - 40°C			
Relative humidity	20% - 90%RH (non-condensing)			
Altitude	<1000m			
Noise (1 m in front)	< 60dB			
Management				
Intelligent Rs-232/usb; Optional Snmp Card,epo				

Note:Specifications are subject to change without prior notice.

Product Introduction

The RM31-H Series UPS (Uninterruptible Power Supply) is a high-performance power protection device engineered specifically for modern data centers, communication base stations, medical equipment, industrial automation systems and other critical applications. Featuring an online double-conversion design and pure sine wave output, this series integrates advanced high-frequency technology, a digital control system and comprehensive protection functions, delivering outstanding performance. It ensures a stable, clean and uninterrupted power supply for users' critical loads in all harsh environments and emergency scenarios.

Application Scenarios

covering telecommunications, finance, education, transportation, broadcasting, healthcare, manufacturing and other industries, delivering 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
- | Walk-in function