

RM33-FM Modular Series



RM33-FM-20-200 / RM33-FM-30-300 Product Parameters

Model RM33-FM-	20-60	20-120	20-200	30-90	30-120	30-180	30-300
phase	3P in 3P out						
Cabinet capacity	60KW	120KW	200KW	90KW	120KW	180KW	300KW
Battery type	External battery	External battery	External battery	External battery	External battery	External battery	External battery
Power module capacity	20KVA/20KW	20KVA/20KW	20KVA/20KW	30KVA/30KW	30KVA/30KW	30KVA/30KW	30KVA/30KW
Max. power modules	3	6	10	3	4	6	10
Max. battery module sets	3	-	-	3	-	-	-
Input							
Rated voltage	3x380VAC/400VAC/415VAC(3Ph+N)						
Voltage range	100%load305~478VAC;<70%load208~304VAC						
Rated frequency	50/60Hz(autoselect)						
Frequency range	40-70Hz						
power factor	100%load>0.99;50%load>0.98						
THDi	<3%@100%load						
Output							
Rated voltage	3x380VAC/400VAC/415VAC(3Ph+N)						
Voltage regulation (steady state)	≤ ± 1%typ. (balanced load) ; ≤ ± 2% typ.(unbalanced load)						
Voltage regulation (dynamic)	≤±5%typ.						
Rated frequency	50/60Hz						
Frequency range(Sync range)	46Hz~54Hz or 56Hz~64Hz						
Overload capability	110%60min,120%10min,150%60s,>150%200ms						
THD	≤ 1.5% THD (linear load) ;≤ 4% THD (non-linear load)						
Efficiency	Up to 94.5%						
Battery / Charging							
Rated voltage	±216V(12Vx36cell)						
Max. voltage	±240V(12Vx40cell)						
Min. voltage	±192V(12Vx32cell)						
Float voltage	2.25V/Cell						
Equalize voltage	2.35V/Cell						
Temperature compensation	Supported						
Max. charging current	6A	6A	6A	8A	8A	8A	8A
Physical							
Cabinet dimensions (D×W×H) mm	1100x514x763	1000x600x1475	1000x600x2010	1100x514x763	1100x600x1475	1100x600x1475	1000x600x2010
Cabinet weight (kg)	182	434.5	625	183.5	335	437.5	620
Environment							
Working environment	0~40°C;0~95%RH (non-condensing)						
Altitude	<1000m rated power						
IP rating	IP 20						
Management							
RS-232/USB	SupportsWindows®2000/2003/XP/Vista/2008,Windows®7,LinuxandMAC						
SNMP(optional)	Power management: supports SNMP and network management.						
Safety standards							
Safety	IEC/EN60950-1;IEC/EN62040-1						
EMC	IEC/EN62040-2 CategoryC3						

Note:Specifications are subject to change without prior notice.

Product Introduction

The RM33-FM Series features a modular design and N+X parallel redundancy technology. Its capacity covers all power segments including single-module units, 20K (20–200 kVA system capacity), 30K (30–300 kVA system capacity) and 50K (50–600 kVA system capacity), enabling flexible configuration and phased investment for users.This UPS series effectively addresses a full range of power quality issues, including power outages, mains over-voltage, mains under-voltage, instantaneous voltage sags, damped oscillations, high-voltage pulses, voltage fluctuations, surge voltages, harmonic distortion, electrical noise interference and frequency variations.

Application Scenarios

Government, finance, telecommunications, education, transportation, meteorology, radio and television, industry and commerce, taxation, healthcare, energy and power, and various other industries.

Product Features

- | Full digital control; stable performance.
- | Space-saving design for data rooms.
- | Hot-swap modules; near-zero downtime.
- | MTBF up to 250,000 h.
- | Flexible redundancy; ≥2 spare modules up to 99.999% reliability.
- | Fault module isolates instantly.
- | Distributed bypass with load sharing.
- | Adjustable charging; auto CC/CV/float.
- | Color touch LCD (CN/EN); module LCD/LED.
- | Front-panel EPO.