

RM SERIES

3P MODULAR UPS SYSTEM 60 - 200 kVA



The RM series modular online UPS is designed for single cabinet power ratings from 20 kVA to 200 kVA. Combining the latest three level IGBT and DSP control technology, RM series delivers best combination of reliability and flexibility. Hot swappable parallel modules offer high reliability N+X redundancy.

INPUT & BYPASS	
Wiring	3P + N + PE
Voltage	380 / 400 / 415 Vac (± 20%)
Frequency	50 Hz / 60 Hz (Auto detect)
Power Factor	≥ 0.99 at 100% load with harmonic filter
Harmonic Distortion (Thdi)	< 3% (100% linear load)

OUTPUT	
Wiring	3P + N + PE
Nominal Voltage	380 / 400 / 415 Vac
Nominal Frequency	50 Hz / 60 Hz (Auto detect input)
Wave form	Pure Sine Wave
Voltage Regulation	± 1.5%
Frequency Regulation	± 2% (Line sync) / ± 0.1% (Free running, adjustable)
Harmonic Distortion (THdv)	< 1% (100% Linear load) / < 5% (100% Non-linear load)
Crest Factor	3 : 1
Transfer Time	0 msec (Mains to Inverter) / 0 msec (Inverter to sync. mains)
Overload Tolerance	60 Min (110%) / 10 Min (125%) / 1 Min (150%)

BATTERY			
Nominal Voltage	240Vdc (Adjustable)		
Battery Type	Sealed Maintenance Free (VRLA)		
Charging current	20% of system power		
Protection	3 level alarm	Current limit	Temp. compensation

GENERAL	
HMI & Metering	Touch screen LCD, mimic LED, keypad & buzzer
Efficiency	95% (Battery Mode) / 99% (ECO Mode)
Operating ambient	0 deg C to +40 deg C, <90% R.H (non-condensing), <1000 m
Storage ambient	-40 deg C to +70 deg C, <95% R.H (non-condensing), <2000 m
Cooling	Forced air cooling, smart fan system
Noise	55dBA at 1 meter
Ingress protection	IP20 (Standard)
Colour	RAL7016 (Black) / RAL7035 (Grey)

OPTIONS			
Construction	IP42 Cabinet	Top Cable Entry	Special Colour
Input	Dual Input	Isolation Transformer	External Bypass
Operation	Battery Compensation	Paralleling	Extended charger
Protection	Surge Protection	Dust Filter	
Monitoring	Remote Monitoring Unit	Monitoring Software	USB Output
Communication	SNMP Card	Dry Contact Card	Modbus Card

MODEL	RM 200/20	RM 120/20	RM 060/20	RM 060/20-TX
Power (kVA/kW)	200/180	120/108	60/54	60/48
UPS-Dimensions (H x W x D) mm	2000 x 600 x 900	1800 x 600 x 900	1100 x 600 x 900	1600 x 600 x 900
Power Module-Dimensions (H x W x D) mm	134 x 440 x 590 (3U)			
Power Module-Weight (kg)	22			
UPS-Weight (without power module) (kg)	179	145	105	400

* Specifications may change without notification

STANDARDS

IEC EN 62040, EN60950
EMC (2004/108/EC)
LVD (2006/95/EC)
ISO 9001
CE Mark

SUPPORT

10 years spare parts availability
Standard 1 year warranty
Optional 2 year warranty

CONSTRUCTION

Modular design
Independent charger in module
Isolation transformer (optional)
Touch screen display
High power density
Top/Bottom cable entry

