

# KR-RM Series

## Online UPS 10~40kVA



- » Adjustable Input and Output Configuration
- » High AC/AC Efficiency up to 96%
- » kVA=kW (PF=1.0), no derating below 40°C
- » Tower and Rack Compatible Design
- » Supportable 4 Units Parallel
- » Galvanic Isolation with Transformer (optional)

### Reliable

- Super wide input voltage range -60%~+25% for higher grid adaptability and longer battery life
- Full DSP control technology ensures top performance
- Intelligent fan speed control reduce noise and prolongs fan life
- Anti-corrosion resistant coating in all PCB boards
- ECO mode and EPO function

### Green

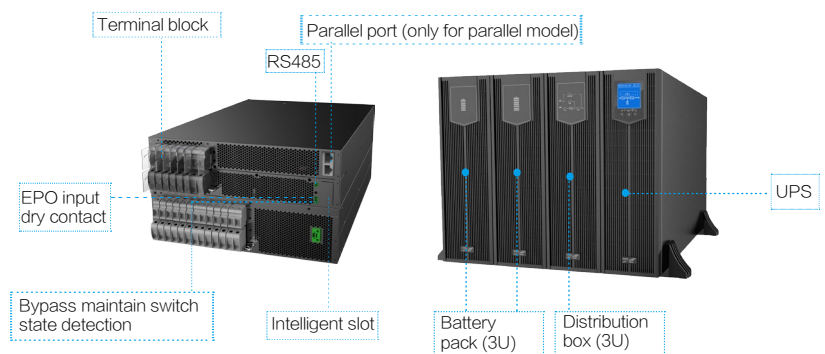
- AC/AC efficiency up to 96%, less TCO and more energy saving
- Output power factor up to 1.0, more powerful to connect more key loads
- 3 level IGBT technology for higher efficiency and minimized interference to grid

### Flexible

- 3U height tower and rack compatible design
- Adjustable 33\31\11 configuration (10~20kVA) and 33\31 configuration (30~40kVA)
- Common battery bank
- LCD Rotate setting by (10~20KVA), gravity auto-rotate by (30~40KVA)
- Adjustable battery quality and charge current

### Ecological Power Network

### Typical Applications:



Model: KR-RM 30~40kVA

### Optional

- External distribution box
- Dry contact kits and SNMP
- Isolation transformer
- 19 inch rail kits
- Lithium battery compatible

## Technical Specification

MODEL	KR10KVA-RM	KR15KVA-RM	KR20KVA-RM	KR30KVA-RM	KR40KVA-RM
<b>Input</b>					
Voltage (Vac) <sup>1</sup>	138-485 (L-L)				
Frequency (Hz)	40-70				
Power Factor	≥0.99				
THDi	<3% (linear load)				
Phase	1:1/3:1/3:3			3:1/3:3	
<b>Output</b>					
Capacity (kVA)	10	15	20	30	40
AC/AC Efficiency (Max.)	96%				
Power Factor	0.9 (1.0 at 40°C)				
Voltage (Vac) <sup>2</sup>	380/400/415 ± 1%(L-L)				
Frequency (Hz)	50/60 ± 0.1 (battery mode)				
THDv	THD <1% (linear load), THD <4% (nonlinear load)			THD <1% (linear load), THD <3% (nonlinear load)	
Transfer Time	0				
Overload	115%~130% load: 15 min, 130%~150% load: 1 min, >150% load: 200ms				
ECO Mode	Yes				
<b>Battery</b>					
Voltage (Vdc)	± 192 (± 144~ ± 240 adjustable)/32 pcs default (28-40 pcs adjustable)				
Charging Current (A)	4 (1-10 settable)			15 (1-20 settable)	
<b>Other</b>					
Communication Interface	RS485+EPO (RS232+dry contact, SNMP are optional in slot)				
Display	Stroke segment LCD			Dot matrix LCD	
Alarm	Low battery, abnormal AC input, UPS failure, etc.				
Protection	Low battery, overload, short-circuit and over temperature, etc.				
Noise (dB)	<55				
Working Temperature (°C)	-5~40			-5~50 <sup>3</sup>	
Relative Humidity	0 ~ 95%, no condensation				
Dimension (W × D × H)(mm)	UPS	438 × 500 × 130 (3U)		438 × 680 × 130 (3U)	
	Distribution Box	438 × 500 × 130 (3U)		438 × 680 × 130 (3U)	
	Batt. Pack	438 × 500 × 130 (3U)		438 × 680 × 130 (3U)	
Weight (kg)	UPS	20		34	
	Distribution Box	8		14	

• Specification is subject to change without prior notice

1. 80-280 (L-N) for single phase input;
2. 220/230/240 (L-N) for single phase output;
3. Condition comply

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