

True on-line double conversion design

KR-RM Rack/Tower Series

(1-10kVA)



KR1000-RM



KR2000~3000-RM



KR6000~10K-RM



Green Power

- AC/AC efficiency up to 95%, less operation cost and more energy saving
- Output power factor 1.0, more powerful to connect more critical loads
- Input PF >0.996 and THDi<5%, less power pollution and lower TCO



Flexible Rear Panel Configuration

- Dry contact and SNMP are optional
- Selectable output sockets
- External battery pack port available
- Programmable power management outlet (optional)



Hot-swappable Battery Design

- External battery pack is optional
- Easy for online battery replacement



User-friendly and Easy-shift LCD Display

- The digital display can be easily shifted through LCD setting to suit for vertical/horizontal installation



ISO 9001
ISO 14001
ISO 45001
Factory Certificate



TIS. 1291 Part 1-2553
TIS. 1291 Part 2-2553
TIS. 1291 Part 3-2553

Technical Specification

MODEL	KR1000-RM	KR2000-RM	KR3000-RM	KR6000-RM	KR1110-RM
INPUT	1 Phase 3 Wire (L + N + G)				
Voltage (Vac)	120-295			80-275	
Frequency (Hz)	40-70 (50/60Hz auto-sensing)				
Power Factor	≥0.99				
THDi	<4% (full linear load)				
OUTPUT	1 Phase 3 Wire (L + N + G)				
Capacity (VA/W)	1000/1000	2000/2000	3000/3000	6000/6000	10000/10000
AC/AC Efficiency Max.	92.5%	93.5%	93.8%	95.5%	95.5%
Power Factor	1.0				
Voltage (Vac)	208/220/230/240±1% (selectable on display panel)				
Frequency (Hz)	50/60±0.1 (battery mode)				
THDv	THD <2% (linear load), THD < 3% (nonlinear load)			THD <1% (linear load), THD < 4% (nonlinear load)	
Waveform	Sine wave				
Overload*	PF0.9:101~105% load long run,106~110% load 10 mins, 111~130% load 1 min, 131~150% load 1s, above 150% load 200 ms PF1.0:101~105% 1min,106~120% 5s, over 120% 200 ms			101~105% Long run, 106~130% load for 10mins, 131~150% 30s, over 150% 500ms.	
Transfer Time	0				
Current Crest Ratio	3:1				
Battery	Sealed, Maintenance-free lead acid batteries				
Voltage(Vdc)	36	48	72	192-240	
UPS Internal Battery (VRLA)	3×7Ah/12V	4×9Ah/12V	6×9Ah/12V	2*8×7Ah/12V	2*8×9Ah/12V
External Battery Module (EBM) Model	B2U-36-01-2B	B2U-48-02-2B	B2U-72-03-2B	B3U-192-20-2C	B3U-192-20-2C
EBM battery (VRLA)	2*3*7AH / 12V	2*4*9AH / 12V	2*6*9AH / 12V	2*8*7AH / 12V	2*8*9AH / 12V
Charging Current (A).	Default 1A, (2~8A when adding charger module)			Default 1A, 1~8A settable	
Other					
Communication Interface	RS232+EPO (SNMP, USB,RS485+Dry contact are optional in slot)				
Output Outlet	2 × Universal socket	2 × Universal socket + 1×IEC320 C19		Terminal + 2×IEC320 C13	
Display	Blue screen LCD (Software rotate)				
Display Details	AC input & output voltage, frequency, Load level, Battery level, Temperature; AC mode, Battery mode, Bypass mode, and Fault				
Alarm	Battery mode, Abnormal AC input, UPS failure, etc.				
Protection	Low battery, overload, short-circuit and over temperature, etc.				
Noise (dB)	< 50			< 55	
Working Temperature*	-5~ 50°C (40~50°C auto derating)				
Relative Humidity	0 ~ 95%, No condensation				
Altitude(m)	1000, no derate.				
Regulatory Approvals	CE, IEC62040-1, IEC62040-2				
UPS (W×D×H)(mm)	438×420×87(2U)	438×570×87(2U)		438×660×174(4U)	
UPS Weight (kg)	14	20	26	55.6	64
External Battery Module (W×D×H) (mm)	438×420×87(2U)	438×570×87 (2U)	438×570×87 (2U)	438×500×130 (3U)(16*7/9AH)	
Battery Cabinet Weight (kg)	20	29	40	45	48

● Specification is subject to change without prior notice.