

MODEL	MXR1K0MM	MXR1K0MM-KS	MXR2K0MM	MXR2K0MM-KS	MXR3K0MM	MXR3K0MM-KS
Power	1000 VA / 1000 W		2000 VA / 2000 W		3000 VA / 3000 W	
<b>MAIN INPUT</b>						
Grid system	1 PH + N + PE					
Rated voltage / Frequency	200/208/220/230/240 VAC (derating 10% at 208 V, derating 20% at 200 V), 50/60 Hz					
Voltage range	160-300 V 100% load, 110-160 V derating to 50% load linearly					
Frequency range	40 Hz - 70 Hz (45 Hz - 55 Hz, 54 Hz - 66 Hz @ load > 60%)					
Power factor	>0,99					
Current THDi	<5%					
<b>OUTPUT</b>						
Rated voltage / Frequency	200/208/220/230/240 VAC (derating 10% at 208 V, derating 20% at 200 V), 50/60 Hz					
Power Factor	1					
Wave form	Pure sine wave					
Voltage THDv	<1% (linear load); <5% (non-linear load)					
Voltage accuracy	±1%					
Transient recovery	Compliant to EN62040-3 VFI-SS-313 Standard					
Inverter Overload	100% < load ≤ 105%, continuous 105% < load ≤ 125%, 5 minute 125 < load ≤ 150%, 30 seconds > 150%, 500 ms					
Bypass Overload	100% < load ≤ 105%, continuous 105% < load ≤ 125%, 5 minute 125 < load ≤ 150%, 30 seconds > 150%, 500 ms					
Frequency regulation (Battery mode)	50/60 Hz ±0.1%					
Crest factor	3:1					
<b>BATTERIES</b>						
Battery type	Pb					
Battery capacity	12 V / 7 Ah	Selectable	12 V / 7 Ah	Selectable	12 V / 9 Ah	Selectable
Number of batteries in series	3		6		6	
Battery rate voltage	36 VDC		72 VDC		72 VDC	
Backup time	3 min 100% load 12,2 min 50% load	NA	3,3 min 100% load 12,9 min 50% load	NA	2,5 min 100% load 9,3 min 50% load	NA
<b>BATTERY CHARGER</b>						
Charging current	1.5 A	Adjustable 2 ~ 8 A	1.5 A	Adjustable 2 ~ 8 A	1.5 A	Adjustable 2 ~ 8 A
Charging time	3 h to recover 90% capacity	Depending on external batteries capacity	3 h to recover 90% capacity	Depending on external batteries capacity	3 h to recover 90% capacity	Depending on external batteries capacity
<b>SYSTEM</b>						
Efficiency	Normal operation: 89% Eco Mode operation: 96% Battery operation: 86.5%		Normal operation: 92.5% Eco Mode operation: 97% Battery operation: 89%		Normal operation: 93% Eco Mode operation: 97% Battery operation: 89%	
Display	LCD					
Protection degree	IP20					
Interface	Standard equipment: USB, RS232, RS485, RPO, Intelligent slot Optional: SNMP, dry contacts, parallel kit, Modbus					
<b>ENVIRONMENT</b>						
Operating temperature	0 ~ 40°C					
Storage temperature	0°C ~ 40°C (with battery, suggest to storage the battery below 25°C) -25°C ~ 55°C (without battery)					
Relative humidity	0 ~ 95% (no condensing)					
Noise (dBA at 1 meter far)	<45 dB			<50 dB		
Altitude	0 ~ 3000 m; load derated 1% per 100m, from 1000 ~ 3000m					
<b>MECHANICAL DATA</b>						
Dimensions W*D*H (mm)	438*445*85.5 (2U)			438*600*85.5 (2U)		
Weight (Kg)	14,3	8	23,3	10,6	26,2	11
Color	Black					

Note: technical specifications and data could be changed without notification