

The Maxpower Series Online Transformer-less Rack Mount UPS is a high-performance power protection solution meticulously crafted for data centers, server rooms, and critical electronic environments. Offering a robust combination of reliability and scalability, this UPS is designed to seamlessly integrate into standard server racks.



GENERAL FEATURES

- High power density
- Rack/Tower convertible design
- N+X parallel redundancy support maximum 4 unit in parallel
- Online double conversion with full digital control
- Wide input voltage range:110~286Vac
- Wide input frequency range
- Generator compatible
- ECO mode operation for energy saving
- Self-testing when UPS start-up
- Maximum charging current up to 10A
- Cold start
- Intelligent fan speed regulation

SPECIFICATIONS

MODEL		CN7010MP-RM	
Capacity	VA	10000	
	Watts	9000	
Input	Normal Voltage	220/230/240Vac(L+N+PE)	
	Operating voltage range	110~286Vac	
	Operating frequency range	40~70Hz (50/60Hz Auto-Sensing)	
	Power factor	≥0.99	
	Bypass voltage range	Max. voltage: 220V: +25%(optional +10%,+15%,+20%) 230V: +20% (optional +10%, +15%) 240V: +15% (optional +10%)	
		Min. voltage: -45% (optional -20%, -30%)	
		Frequency protection range:±10%	
	Bypass frequency range	Frequency protection range:±10%	
	ECO range`	Same as the bypass	
Harmonic distortion (THDi)	≤5%(100% linear load)		
Generator input	Support		
Output	Output voltage	220/230/240Vac	
	Power factor	0.9	
	Voltage regulation	±1%	
	Frequency	Line mode	±1%/±2%/±4%/±5%/±10% of the rated frequency(optional)
		Bat. mode	50/60(±0.1)Hz
	Crest factor	3:1	
	Harmonic distortion (THDv)	≤2% with linear load, ≤5% with non-linear load	
	Efficiency	>94%	
Battery	Battery voltage	192/216/240Vdc(Adjustable)	
	Backup time	Long run unit depends on the capacity of external batteries Estimated remaining time displayed on the LCD	
	Typical recharging time	6~8 hours (to 90% of full capacity)	
	Charging current	Maximum current 10A; charging current can be set according to battery capacity installed.	

MAX-POWER SERIES

10kVA Online Transformerless Rack Mount UPS



MODEL		CN7010MP-RM	
System Features	Transfer time	Mains to battery:0ms; Mains to bypass:0ms	
	Overload	Line mode	Load≤110%:60min; ≤125%:last 10min; ≤150%:last 1min;>150% turn to bypass mode
		Bypass mode	63A(Input breaker)
	Short circuit	Hold whole system	
	Overheat	Line mode: Turn to bypass; Backup mode: shut down UPS immediately	
	Battery low	Alarm and switch off	
	Self-diagnostics	Upon power on and software control	
	Battery	Advanced battery management	
	Audible & Visual alarms	Line failure, Battery under voltage, Overload, System fault	
	LED & LCD display	Line mode, Bat. mode, Eco mode, Bypass mode, Battery under voltage, Overload & UPS Fault	
	LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time	
	Communication interface	RS232,USB,SNMP card(optional), Relay card (optional)	
Environment	Operating temperature	0~40°C	
	Storage temperature	-25~55°C	
	Humidity range	0~95% (Non-condensing)	
	Altitude	<1500m	
	Noise level	58dB at 1 Meter	
Physical	Dimension W x D x H (mm)	440 x 625 x 86.5 (2U)	
	Weight (kg)	18	
Standards	Safety	IEC/EN62040-1,IEC/EN62477-1	
	EMC	IEC/EN62040-2,IEC61000-4-2,IEC61000-4-3,IEC61000-4-4,IEC61000-4-5,IEC61000-4-6,IEC61000-4-8	

*Product specifications are subject to change without further notice.

EXTERNAL BATTERY PACK

MODEL		CNBC10120CR
BATTERY SYSTEM		
Battery type	VRLA (Lead acid maintenance free battery)	
Typical battery recharging time	6~8 hours (to 90% of full capacity)	
Typical battery life	3~5 years, depend on discharging cycle and ambient temperature	
System voltage	240Vdc	
Battery quantity	20 PCS	
Capacity	7Ah/9Ah (12V)	
PHYSICAL		
Dimension W x D x H (mm)	440 x 680 x 131 (3U)	
Net weight (kg)	58/63	
ENVIRONMENT		
Safety	CE	
Operating environment	0°C~40°C	
Relative humidity	0~95% (Non condensing)	
Noise level	<40dB at 1 Meter	

ORDERING INFORMATION

Part Number	Description
CN7010MP-RM	10kVA Online Transformer-less Rack Mount UPS (External Battery)
CNBC10120CR	240VDC Rack Mount Battery Pack

COMPATIBLE ACCESSORIES

Part Number	Description
CNRM0110R	Rack Mounting Rail Kit for 1-10kVA RM UPS
CNRM0110BPR	Battery Pack Rack Mounting Rail Kit for 1-10kVA RM UPS
CNS02	Mini SNMP Card for 1-10kVA UPS