

MAX-POWER SERIES

3kVA Online Transformerless Rack Mount UPS



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

- Online double conversion with full digital control
- Built-in EMI Filter and Surge protection
- Intelligent fan speed regulation
- Rack/Tower convertible design
- Selectable output voltage:208/220/230/240Vac
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Smart charger design for optimized battery performance
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Cold start
- Multiple communication interfaces: RS232 (USB/Dry contact/SNMP card optional)

SPECIFICATIONS

MODEL		CN7003MPI-RM/CN7003MPE-RM		
Capacity	VA	3000		
	Watts	2700		
	Phase	Single phase with ground		
Input	Normal Voltage	208/220/230/240Vac		
	Input voltage range	110~300Vac (176~280Vac @ 100% load)		
	Frequency Range	40~70Hz (50/60Hz Auto Sensing)		
	Power Factor	≥0.99 @Nominal voltage (100% load)		
Output	Output Voltage	208/220/230/240Vac		
	Power Factor	0.9		
	Voltage Regulation	±1%		
	Frequency range (Synchronized range)	45~55Hz/56~64Hz		
	Frequency range (Batt.mode)	50Hz/60Hz±0.1Hz		
	Current crest ratio	3:1		
	Harmonic Distortion (THDv)	≤3% THD(Linear load)		
		≤5% THD(Non-linear load)		
	Transfer time	AC to DC	Zero	
		Inverter to bypass	4ms(Typical)	
Waveform	Pure sinewave			
Efficiency	AC mode	92%		
	Battery mode	88%		
Battery	Internal	Battery type	12V/9AH	
		Numbers	6	
		Typical recharging time	4 hours recover to 90% capacity	
		Charging current(max.)	1.0A	
	External	Charging voltage	82.1Vdc ±1%	
		Battery Number	6	8
		Charging voltage	82.2Vdc ±1%	109.6Vdc ±1%
		Charging Current	6A/12A	

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MODEL		CN7003MPI-RM/CN7003MPE-RM	
Indicators	LCD	Load level, Battery level, AC mode, Battery mode, Bypass mode and Fault indicators	
Alarm	Battery mode	Beeping every 4 seconds	
	Battery low	Beeping every second	
	Overload	Beeping twice every second	
	Fault	Continuously beeping	
Physical	Dimension W x D x H (mm)	Standard model	440 x 600 x 86.5 (2U)
		Long run model	440 x 600x 86.5 (2U)
	Net weight (kg)	Standard model	26
		Long run model	11
Environment	Humidity	20-90% RH @ 0-40°C (Non-condensing)	
	Noise level	<50dB @ 1 Meter	
Management	Smart RS232/USB	Supports Windows® 7/8/10 Linux, FreeBSD and MAC	
	Optional SNMP	Power management from SNMP manager and web browser	
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		CNBC00396CR
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	96Vdc	
Charging current (Max)	1.4A	
Battery quantity	8	
Capacity	9Ah/12V (7Ah/12V optional)	
PHYSICAL		
Dimension W x D x H (mm)	440 x 550 x 86.5 (2U)	
Net weight (kg)	31.5	
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
CN7003MPI-RM	3kVA Online Transformerless Rack Mount UPS (Internal battery)
CN7003MPE-RM	3kVA Online Transformerless Rack Mount UPS (External battery)
CNBC00396CR	96VDC 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