

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		CN7001MPI-RM/CN7001MPE-RM		
Capacity	VA	1000		
	Watts	900		
	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	89%		
	Battery mode	85%		
Battery	Internal	Battery type	12V/9AH	
		Numbers	2	3
		Typical recharging time	4 hours recover to 90% capacity	
		Charging current(max.)	1.0A	
	External	Charging voltage	27.4Vdc ±1%	41.1Vdc ±1%
		Battery Number	2	3
		Charging voltage	27.4Vdc ±1%	41.1Vdc ±1%
		Charging Current	6A/12A	

MAX-POWER SERIES

1kVA Online Transformerless Rack Mount UPS



MODEL		CN7001MPI-RM/CN7001MPE-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 460 x 86.5 (2U)
		Long run model	440 x 325x 86.5 (2U)
	Net weight (kg)	Standard model	12/14
		Long run model	5.8
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	CNBC00124CR	CNBC00136CR
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	24Vdc	36Vdc
Charging current (Max)	1.4A	
Battery quantity	4	6
Capacity	9Ah/12V (7Ah/12V optional)	
PHYSICAL		
Dimension W x D x H (mm)	440 x 430 x 86.5 (2U)	
Net weight (kg)	17.4	22.5
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
CN7001MPI-RM	1kVA Online Transformerless Rack Mount UPS (Internal battery)
CN7001MPE-RM	1kVA Online Transformerless Rack Mount UPS (External battery)
CNBC00124CR	24VDC Rack Mount Battery Pack
CNBC00136CR	36VDC 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