

MAX-POWER SERIES

1kVA 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		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 (176~264Vac @ 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)	46~54Hz/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		
Output Socket Quantity	IEC - C13 - 8nos / Universal (Customizable) - 2nos	IEC - C13 - 8nos / Universal (Customizable) - 2nos		
Efficiency	AC mode	89%		
	Battery mode	85%		
Battery	Internal	Battery type	9AH/12V	
		Numbers	3	
		Typical recharging time	4 hours recover to 90% capacity	
		Charging current(max.)	1A	
	External	Charging voltage	41.1Vdc ±1%	
		Battery Number	3	
		Charging Current	12A	

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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	11.3/14
		Long run model	5.6
Environment	Humidity	20-95% RH @ 0-40°C (Non-condensing)	
	Noise level	<50dB @ 1 Meter	
	IP Rating	IP 20	
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	CE; 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, IEC61000-4-11,IEC61000-2-2	

*Product specifications and appearances are subject to change without prior notice.

EXTERNAL BATTERY PACK

MODEL		CNBC00136CR
BATTERY SYSTEM		
Battery type	VRLA (Valve Regulated Lead Acid Battery - SMF)	
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	36Vdc	
Battery quantity	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)	22.5	
ENVIRONMENT		
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 Rack Mount UPS with 2x9Ah Battery (Internal Battery)
CN7001MPE-RM	1kVA Online Rack Mount UPS (External Battery)
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