MAX-POWER SERIES
10kVA Online Transformerless Rack Mount UPS

NORDEN®

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%)
	Bypass frequency range	Frequency protection range:±10%
	ECO range`	Same as the bypass
	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)
	Frequency — 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(16/18/20pcs)
	Backup time	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.

Rack Mount UPS - Version 2.0

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MODEL			CN7010MP-RM
System Features	Transfer time		Mains to battery:0ms; Inverter 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		20~95% (Non-condensing)
	Altitude		<1500m
	Noise level		58dB at 1 Meter
	IP Rating		IP 20
Physical	Dimension W x D x H (mm)		440 x 625 x 86.5 (2U)
	Weight (kg)		18
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	CNBC10120CR
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	240Vdc
Battery quantity	20 PCS
Capacity	9Ah/12V
PHYSICAL	
Dimension W x D x H (mm)	440 x 680 x 131 (3U)
Net weight (kg)	58/63
ENVIRONMENT	
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 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